An Observational Cohort Study of Clinicopathological Features and Outcomes of Crescentic Glomerulonephritis

A dissertation submitted to the Tamilnadu Dr. M.G.R. Medical University in partial fulfillment of the University regulations for the award of D.M. (Branch – III) (Nephrology).

AUGUST 2014

BONAFIDE CERTIFICATE

This is to certify that the work presented in this dissertation titled **"An Observational Cohort Study of Clinicopathological Features and Outcomes of Crescentic Glomerulonephritis** " done towards fulfillment of the requirements of the Tamilnadu Dr. M.G.R. Medical University, Chennai for the D.M. (Branch–III) (Nephrology) exams to be conducted in August 2014, is a bonafide work of the candidate Dr.G.Vasanth, Senior Post-graduate student in the Department of Nephrology, Christian Medical College, Vellore under my guidance and supervision. This dissertation has not been submitted, fully or in part to any other board or University.

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ABBREVATIONS

ADNB- Anti DNAse B

ASO- Anti streptolysin O

ANA- Antinuclear antibody

ANCA- Anti Neutrophilic Cytoplasmic Antibody

CrGN- Crescentic glomerulonephritis

DSDNA- Double stranded deoxy ribonucleas

RPGN- Rapidly progressive glomerulonephritis

GBM- Glomerular basement membrane

IgG- Immunoglobulin G

IgA- Immunoglobulin A

IMS- Immunosuppressant

PLEX- Plasma exchange

CYC- Cyclophosphamide

FFP- Fresh frozen plasma

GPA- Granulomatosis with polyangitis

MPA- Microscopic polyangitis

EGP- Eosinophilic Granulomatosis with Polyangitis

AAV- ANCA associated vasculitis

P ANCA- Perinuclear ANCA

CANCA- Cytoplasmic ANCA

ELISA- Enzyme linked immunosorbent assay

IIF- Indirect Immunofluorescent

GN-Glomerulonephritis

IF- Immunofluorescent

NICCGN-Non immune complex mediated crescentic glomerulonephritis

ICCGN- Immune complex mediated crescentic glomerulonephritis

HSP- Henoch schonlein purpura

KDIGO- Kidney disease improving global outcomes

SLE- Systemic lupus erythematosis

MPGN- Membrano proliferative glomerulonephritis

PIGN- Post infectious glomerulonephritis

CKD- Chronic kidney disease

eGFR- Estimated glomerular filtration rate

FSGS-Focal segmental glomerulonephritis

IFTA- Interstitial fibrosis and tubular atrophy

HD- Hemodialysis

CONTENTS

Abstract

TITLE OF THE STUDY : An Observational Cohort Study of Clinico pathological Features and Outcomes of Crescentic Glomerulonephritis

DEPARTMENT : Nephrology

NAME OF THE CANDIDATE : G. Vasanth

DEGREE AND SUBJECT : D.M., Nephrology

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AIM

To study clinical, biochemical, histological characteristics and outcomes of patient with crescentic glomerulonephritis

MATERIALS and METHODS

It is a retrospective observational study. Study population were biopsy proven crescentic glomerulonephritis patients from Jan 2006 to December 2012. Initial demographic, clinico biochemical features, renal biopsy findings, dialysis requirement, treatment started and complications were collected. Follow up data regarding their dialysis requirement, Creatinine status, proteinuria and complications if any were collected till February 2014 at various intervals. Data was analyzed for whole cohort and Immune complex and Non immune complex crescentic GN were compared .

RESULTS

A total of 265 patients between Jan 2006-Dec 2012 whose renal biopsies were reported as having more than 10% crescents were included in this study. The mean age of patients was 40.14 ± 14.34 years with median follow up period of 3(1-83) months. Females constituted 57% of the cohort, with a Female: Male ratio of 1.3:1. The commonest type of crescentic glomerulonephritis

in our study was immune complex GN with Lupus nephritis being the most common cause accounting for 26% of total cohort. Next to lupus, pauci immune ANCA negative glomerulonephritis accounts for 18.9% of patients. When compared to Immune complex crescentic GN(ICCGN) patients Non immune complex crescentic GN(NICCGN) patients were older, anuric and had less extra renal manifestation except hemoptysis, lesser proteinuria, severe renal failure and more glomerular necrosis and severe IFTA in biopsy at presentation.

CONCLUSIONS

Immune complex CGN was the commonest type. Non ICCGN patient had severe renal failure and less proteinuria and more dialysis dependency than ICCGN.

Key words: Crescentic glomerulonephritis, Non immune complex crescentic GN(NICCGN)

INTRODUCTION

Crescentic glomerulonephritis (CrGN) is a renal pathological entity manifested clinically as rapidly progressive glomerulonephritis (RPGN) in majority of the patients. Sometimes the clinical term RPGN and the pathological term CrGN are used interchangeably. It is a well defined condition occurring in a wide variety of primary glomerular disease and systemic conditions. Without treatment, CrGN rapidly progress to end stage renal disease within weeks to months. There is no consensus on how many glomeruli should have crescents to use the term crescentic GN. Most of the literatures have defined >50% crescents in biopsy as crescentic GN. Only very few studies[1,2] have included the presence of <50% crescents as crescentic glomerulonephritis. The percentage of crescents in renal biopsy can vary with the timing of biopsy and the plane of cut during processing of the specimen. So considering the presence of >50% crescents alone as CrGN may underestimate the disease burden, treatment requirement and hence the outcome.

Although National biopsy registry is not existent in India there are regional variations as well as change in spectrum of presentations of glomerulonephritis over time seen in registry data in various parts of the world. There is paucity of Indian data regarding crescentic GN. Outcome of the disease varies as the spectrum of the disease varies. Knowing the spectrum of the disease as it is prevailing in our area and the corresponding outcomes will help us to manage patients more effectively.

LITERATURE REVIEW

In 1914, Volhard and Fahr first reported the correlation between glomerular crescent formation and clinically significant renal failure. In 1942, Ellis called this aggressive renal disease as rapidly progressive type 1 disease. Subsequently he provided pictures of epithelial crescent formation to describe the pathological disease.[1]

Crescents are defined as presence of at least two layers of proliferating cells filling the Bowman's space. They are classified as cellular/fibrous/fibrocellular according to the type of cells present in the crescents.

There is no consensus regarding how many glomeruli should have crescents to call it as crescentic glomerulonephritis. Most of the studies have defined CrGN as more than fifty percent glomeruli showing crescents. But the study by James.A.Tumlin et al[2] showed even presence of more than ten percent of crescents predicted bad prognosis with rapid progression to end stage renal failure.

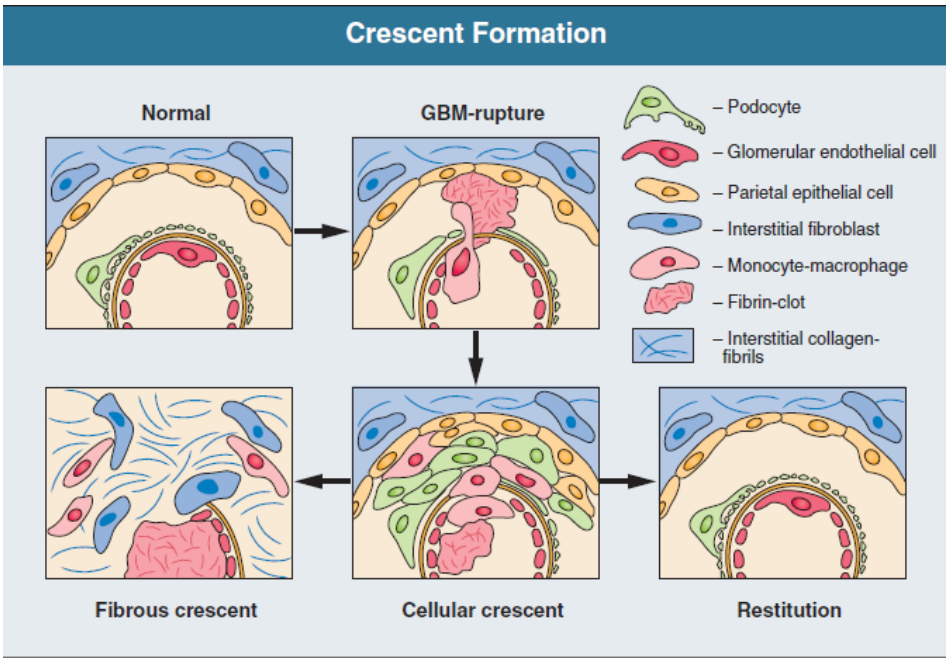
Pathophysiology of Crescent Formation

Crescent formation is considered as histological hallmark of severe glomerular inflammatory injury. Initial event in crescent formation is rupture of glomerular basement membrane. This disruption of capillary wall leads to leakage of inflammatory mediators, plasma proteins, T cells and macrophages into bowmans space. Similar rent in bowmans capsule leads to entry of interstitial fibroblasts and macrophages into bowmans space. All these events along with proliferation of parietal epithelial cells lead to formation of crescents. Recent studies show that there

is also contribution of podocytes in crescent formation. Epithelial to mesenchymal dedifferentiation of podocytes leads to proliferation of podocytes and contributes to crescent formation.[3,4]

Crescent formation (Figure 1) is not considered as irreversible glomerular injury. Reversibility of underlying severe glomerular injury depends upon the type of cells present in the crescents. Production of interstitial collagen by fibroblasts in Bowman's space following its rupture can change cellular crescent into fibrous crescent, which leads to irreversible injury.[4]

Figure 1



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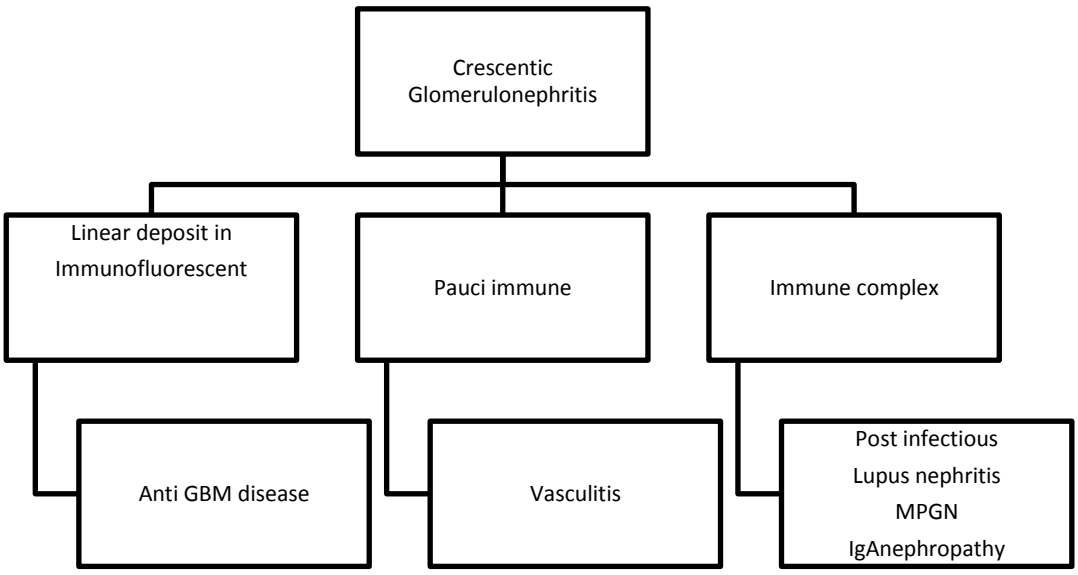
Epidemiology

There are regional variations in the incidence and presentation of CrGN. The overall incidence of CrGN varies between 2-5% of unselected renal biopsies worldwide.[2] A study from our institution by Date et al showed that the incidence of CrGN was 4.5% among the biopsy proven primary glomerulonephritis.[5] Study done over different decades from our department has shown a similar incidence of CrGN (1971-1985; 5% and 1990-2001: 3.5%). [6] A study from the Eastern part of India has also shown the incidence around 5% among the biopsy proven glomerular diseases.[7]

Men are more commonly affected than women except crescentic lupus nephritis.[1] Black race are less commonly affected than whites.[8]

Crescentic glomerulonephritis is classified according to their immunofluorescent staining of kidney biopsies in to three main categories (Figure 2).[8]

Figure 2



These are the three main categories of crescentic GN. Some people consider a fourth group as dual positive type which is anti glomerular basement membrane (anti GBM) disease with ANCA positivity vasculitis. This categorization is important for clinical management of crescentic glomerulonephritis and for prognosis. Frequency of different type of crescentic glomerulonephritis in various studies is mentioned below in Table 1:

Table 1

Authors	**Year**	**Countries**	**Total number of biopsies**	**Anti GBM**	**Pauci-Immune**	**Immune-Complex**
Jennette et al[1]	2003	USA	632	15%	60%	24.6%
Gupta et al[9]	2011	India	46	0%	71.7%	28.3%
Tang et al[10]	2001	China	172	8.7%	22.7%	68.6%
Kwang et al[11]	1999	Korea	17	5.8%	35.29%	58.8%

Anti GBM disease

It is an autoimmune disorder. It is characterized by presence of circulating anti glomerular basement membrane antibodies which clinically manifests as rapidly

progressive glomerulonephritis with renal histological features of crescentic glomerulonephritis. Pulmonary hemorrhage may or may not be associated with these features.

Anti GBM disease is also called as 'Goodpasture's syndrome'. This term was first introduced in 1950 by Stanton and Tange. They described a group of patient with pulmonary hemorrhage with renal failure as originally reported by Goodpasture in 1919.[12] However both terms are used interchangeably.

Epidemiology of anti GBM

Anti GBM disease is considered as a rare disease with annual incidence of around 0.5-1 per million population. It has been estimated to cause less than 0.2% of all biopsy proven glomerulonephritis in Asian population. The frequency of anti GBM disease varies among different studies as mentioned below in Table 2.[13]

Authors	**Year**	**Countries**	**Frequency (%) in RPGN**
Heaf et al[20]	1999	Denmark	12.8
Jennette[1]	1993	USA	14.6
Tang et al[10]	2003	China	8.7
Hirayama et al[15]	2008	Japan	6.6
Angangco et al[44]	1994	UK	11.2

Table 2

Study by Sharma et al from SGPGI, Lucknow showed that the prevalence of anti-GBM disease in patients with RPGN was 3.8%. They justified the low prevalence as due to under diagnosis of this condition in India because of non availability of anti-GBM assays in most part of the country.[16]

Anti-GBM disease is more common in Caucasians and rare in Africans.[13] It has a bimodal age distribution with peak occurrence at third and sixth decades. At younger ages, male gender is commonly affected and they present predominantly with pulmonary hemorrhage and RPGN. At older ages, female gender is commonly affected and present usually as RPGN without pulmonary hemorrhage.[14]

Clinical features of anti GBM disease

It usually presents as rapidly progressive renal failure with or without pulmonary hemorrhage. Renal failure will present as sudden onset of anuria with microscopic or macroscopic hematuria which if untreated progresses to end stage renal disease. Pulmonary involvement will present as cough with worsening dyspnea with overt or subclinical hemoptysis. Increase CO diffusion in pulmonary function test is an indicator for subclinical hemoptysis. Proteinuria is usually mild to moderate, but nephrotic range of proteinuria has been reported in young patients. Systemic features like malaise, fever or weight loss may be occasionally present. Hypertension is not a common finding at presentation unless the disease in the advanced stages.[14] There appears to be a seasonal variation in the incidence of this disease with peaks in spring and summer. There are some anectodal reports showing association with infections, post lithotripsy and urinary tract infections.[13] Pulmonary

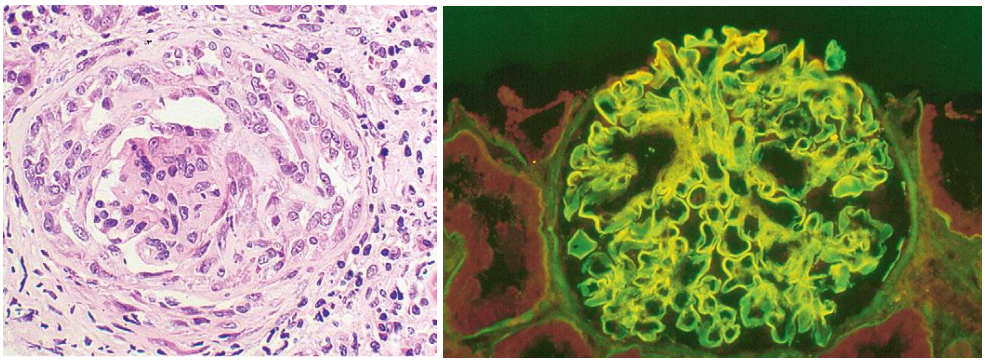
hemorrhage is common in smokers and in those exposed to hydrocarbons. It shows a sequential occurrence after primary or secondary glomerulonephritis and appears to be due to the formation of antibodies against noncollagenous portion of type IV collegenin basement membranes.[14]

Frequency of clinical features varies among different studies as mentioned below in Table 3:

Table 3[12]

Authors	**Countries**	**Hemoptysis (%)**	**Macrohematuria (%)**	**Oligoanuria (%)**
Hirayama et al [13]	Japan	15%	19%	28%
Williamsetal[45]	UK	10%	10%	60%
Sharma et al[16]	India	33%	11%	22%
Walker et al[46]	Australia	62%	NA	62%

Figure 3A and Figure 3B



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Kidney biopsy mostly shows diffuse crescent formation in light microscopy (Figure 3A). Since it is considered as a single hit disease, all the crescents will be in the same stage of evolution. Jennette et al[1] reported that approx. 85% of patient will have more than fifty percent crescents. There may be mesangial expansion with hypercellularity at early stages. Glomerular tuft necrosis is not an uncommon finding. IF shows linear deposits of IgG along the glomerular basement membrane which is a characteristic finding of anti GBM disease (Figure 3B). There may be granular or linear deposits of C_3 along the GBM. These may also be deposited in tubular basement membrane. Deposition in retinalbruch's membranes may lead to retinal detachment. Glomerular basement membrane rupture is evident in electron microscopy and is a common finding in all CrGNs. Type of crescents depends up on the time of renal biopsy relative to the disease onset. Some patient will have less extensive crescent formation with milder disease. Renal survival is better in this group of patients when compared to patients with extensive crescent formation.[14] In advanced stage interstitium will show tubular atrophy and interstitial fibrosis. Vascular compartment is generally unremarkable, but there can be features of vasculitis if there is associated ANCA positivity.

Pathogenesis of anti GBM disease

Anti GBM disease is an autoimmune disease. There is formation of autoantibodies against the non-collagenous portion of the alpha3 chain of type IV collagen of GBM. All patients with anti GBM disease will have circulating antibodies against GBM which are detected by ELISA assays. Six chains of type IV collagen will form three

pairs of triple helical tetramer (Figure 4). They are $\alpha_1\alpha_1\alpha 2$, $\alpha_3\alpha_4\alpha_5$ and $\alpha_5\alpha_5\alpha_6$. The former two will reside in the GBM. The $\alpha_3\alpha_4\alpha_5$ chain is formed by glomerular podocytes.

Figure 4

GBM NETWORK ARRANGEMENT

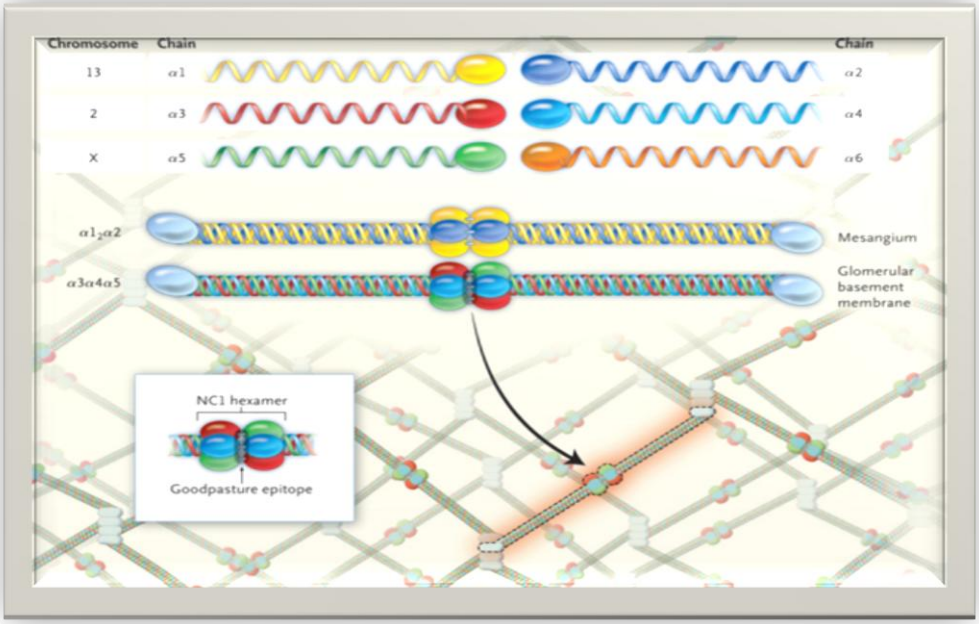

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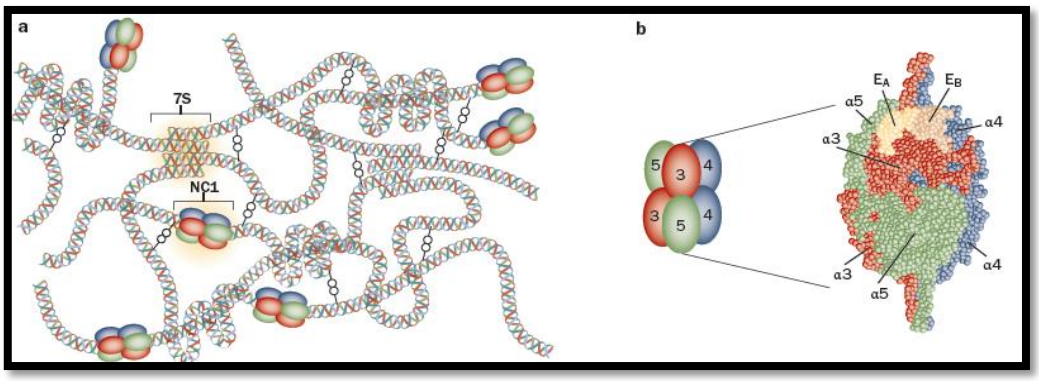
Figure 5

Assembly and network organization of type IV collagen protomers



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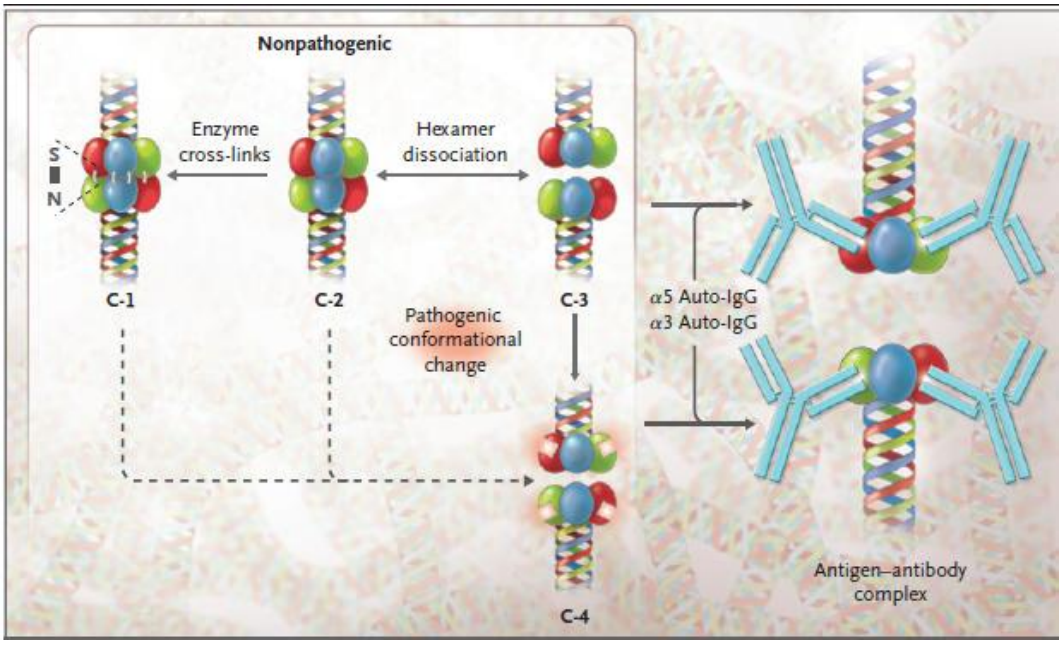
Normally the binding pathogenic epitope of alpha 3 will reside inside and it will be exposed only after a triggering stimulus thus leading to conformational change in the pathogenic portion (Figure 5). The formed anti glomerular basement membrane antibodies will bind to the pathogenic portion and will cause destruction of the GBM (Figure 6). These circulating pathological antibodies are mainly of IgG1 type. Less frequently there is IgA type of anti GBM antibodies.[14]

Figure 6

Autoantibody binding to noncollagenous portion of α_3 chain



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According to some studies there is naturally occurring anti GBM antibodies in healthy individuals. They generally do not cause any problem since the titers are very low and they have very low affinity to GBM antigens. These naturally occurring antibodies are mainly IgG2 or IgG4 type rather than pathogenic IgG1.[14]

Treatment and outcomes of anti GBM disease

The strategies for treating anti-GBM disease are

- To remove the pathogenic autoantibodies from the circulation
- Simultaneously prevent further autoantibody production
- Attenuate existing glomerular inflammation and injury

To achieve these goals, combination treatments are necessary. Usual treatment would be steroids with other immunosuppressive drugs (IMS), mainly cyclophosphamide (CYC) along with plasma exchange (PLEX) for removal of antibodies. Instead of PLEX immune adsorption has also been tried.

Different studies have used different plasma exchange protocols as mentioned below (Table 4):[15]

Table 4

Authors	Year	No of patients	Methods	Replacement fluids	Exchange volumes	Duration
Lockwood et al[49]	1975	7	PLEX	5% Alb (+ FFP)	4.0	Daily for 2 weeks
Briggs et al[50]	1979	4	PLEX	5% Alb (+ FFP)	4.0	Daily for 2 weeks
Simpson et al[51]	1982	8	PLEX	CDP	3.0	Ten times for 2 weeks
Peters et al[52]	1982	41	PLEX	5% Alb (+ FFP)	4.0	Daily for 2 weeks
Johnson et al.[53]	1982	8	PLEX	FFP + saline	4.0	Every 3 days
Levy et al[54]	2001	71	PLEX	5% Alb (+ FFP)	50ml/kg	Daily for 2 weeks

Treatment and its outcomes varies among different studies as mentioned below (Table 5):[13, 15]

Table 5

Authors	**Countries**	**Total patients (N)**	**Alveolar Hemorrhage (%)**	**Treatment**	**Patient Survival (%)**	**Renal Survival (%)**
Levy[54]	UK	71	61	Steroid+Endoxane PLEX	77	53
Johnson[53]	USA	8	100	Steroid+CYC PLEX	100	75
Li[33]	Hongkong	10	40	Various IMS PLEX	70	15
Cui[55]	China	97	50	Various IMS PLEX	92	22
Hirayama[13]	Japan	22	36	Various IMS PLEX	68	14
Sharma[16]	India	18	33	Steroid+ CYC PLEX	-	22

Prognosis mainly depends upon dialysis requirement at presentation and the initial serum creatinine. Retrospective study by Levy et al[54] showed the following results (Table 6):

Table 6

Plasma creatinine at presentation	**Patient survival at one year**	**Renal survival at one year**
<5.7 mg%	100%	95%
>5.7 mg% - no urgent dialysis	83%	72%
>5.7 mg%- Requiring urgent dialysis	65%	8%

According to KDIGO (kidney disease improving global outcomes) 2012 guidelines for treatment of glomerulonephritis[17], anti GBM disease requires immediate treatment to salvage renal function. All patients should be treated with IMS + PLEX except in the following scenarios:

- Those who are dialysis dependent
- Having 100% crescent in adequate biopsy specimen
- Not having pulmonary hemorrhage

Maintenance IMS is not required in anti GBM disease. Relapse of disease is also rare .It is recommended that of anti GBM antibodies be absent in circulation for at least 6 months before renal transplantation. This disease very rarely recurs in allograft kidneys.[17]

Pauci-Immune Crescentic Glomerulonephritis

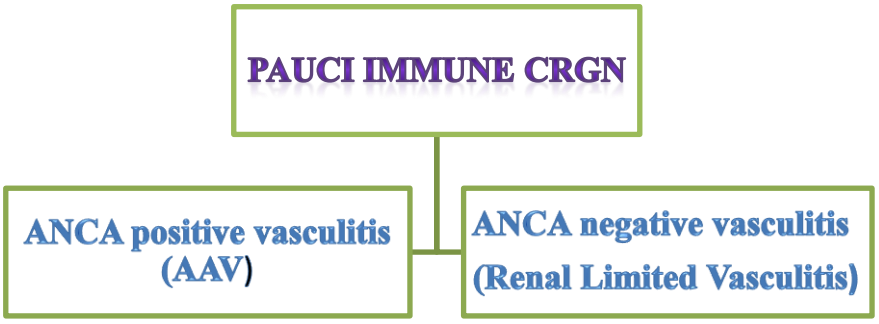
Pauci-immune glomerulonephritis can be either ANCA (antineutrophilcytoplasmic antibodies) associated or ANCA negative (Renal Limited Vasculitis) (Figure 7). Following are the three main categories of ANCA associated vasculitis:

Granulomatosis with polyangitis (GPA)

Microscopic polyangitis (MPA)

Churg strauss syndrome (CSS) OR Eosinophilic granulomatosis with polyangitis (EGP)

Figure 7



A study by Hoffman et al[18] showed glomerulonephritis will present in at least 18% of patients at the time of initial presentation and in 77-85% of patients during course of the disease in AAV. Two common types of ANCA which is associated with renal diseases are P-ANCA and C-ANCA. They are identified by indirect immunofluorescent (IIF) method and by ELISA. IIF is more sensitive assay but ELISA is more specific. Mostly P-ANCA is against neutrophil myeloperoxidase and C-ANCA is against proteinase 3. Study by Jennette[10] showed 80-90% of patient with pauci immune glomerulonephritis will have positive ANCA in their circulation.

Epidemiology

In most of the studies pauci immune CrGN is considered as the most common type of CrGN in adults.[1,9] But some studies differed in this aspect reporting predominantly immune complex CrGN. Epidemiology of pauci immune CrGN varies in different studies as shown in Table 7. About 10-20% of patients with pauci-immune crescentic GNs will not have circulating ANCAs, which may be considered as separate entity by some authors.[23]

Table 7

Authors	Countries	Year	Total cases of CrGN	Pauci- immune CrGN (%)	Mean age (yrs)	Major gender	Disease Duration (months)
Stilmant[19]	UK	1979	46	35	58	Male	<3
Jennette[1]	USA	2003	632	60%	56	Male	-
Tang[10]	China	2003	172	22.7	42	Male	5.59
Gupta[9]	India	2011	46	71.7	28	Male	2

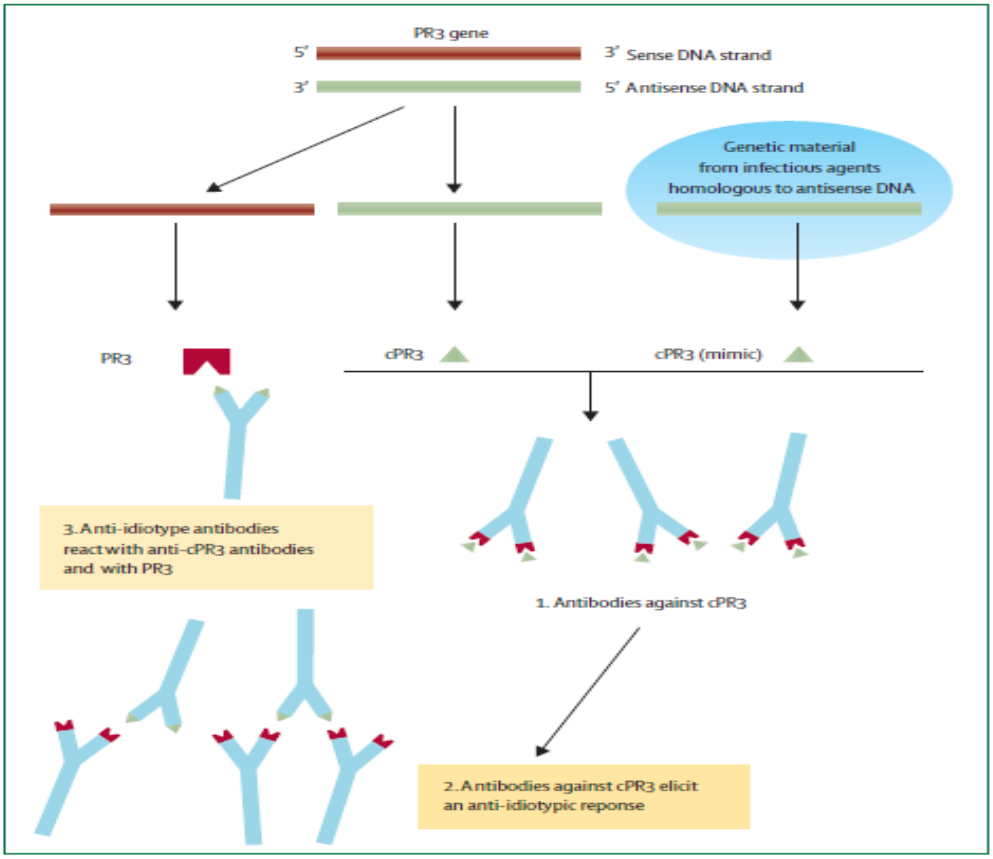
Pathogenesis of ANCA associated vasculitis (AAV)

ANCA and neutrophils are considered as main pathogenetic factors in AAV. Formation of ANCA in a susceptible individual occurs in various way as follows:

- Molecular mimicry
- Dysfunction of neutrophil apoptosis
- Autoantigen complementarity

The most accepted recent theory is autoantigen complementarity. Here there is formation of anti idiotypic antibodies as depicted in Figure 8.

Figure 8



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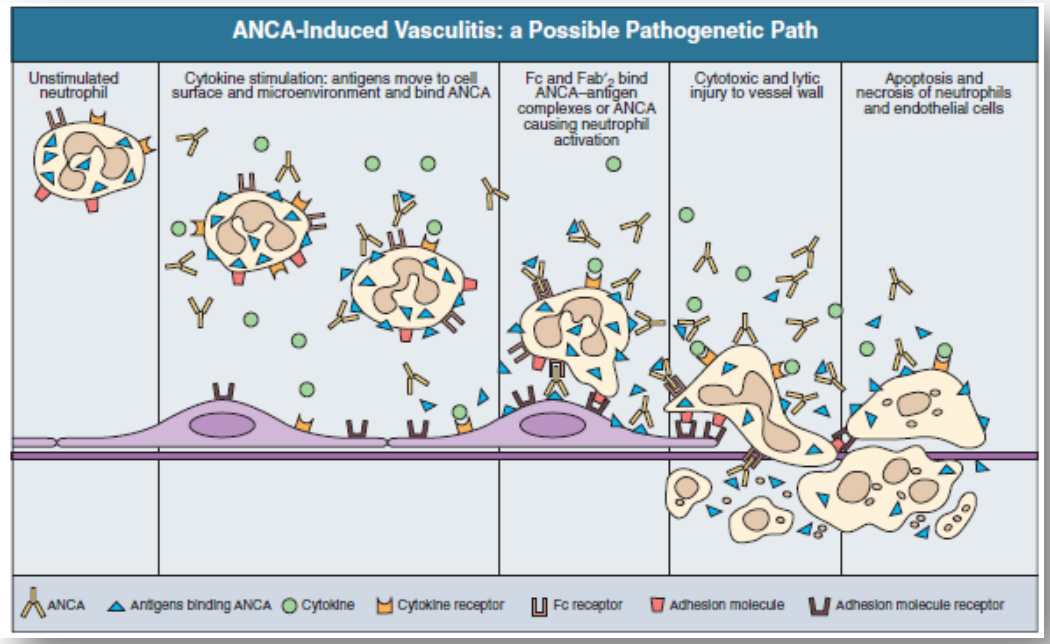
Once auto antibodies are formed, these along with neutrophils injure the target organs in susceptible individuals. Hence both appearances of ANCAs followed by activation of neutrophils by ANCA are required for initiation and propagation of injury (Figure 9).

Figure 9



Adapted from Feehally J.Comprehensive Clinical Nephrology. 4th edi; Elsevier; 2010

Clinical Features and Laboratory Findings

Most of the patient will have crescentic GN as a part of systemic vasculitis. But in one third of patients disease it is limited to the kidneys. As a part of systemic vasculitis, it can present with multiorgan involvement including lungs, respiratory tract, skin, nervous system and gastro-intestinal system.

Most patients will present as rapidly progressive renal failure with hematuria, proteinuria or oligo-anuria. Slowly progressive renal involvement can also occur with recurrent bouts of hematuria and renal scaring. Sometimes systemic manifestations can occur later than renal manifestations. Baseline features of patients in various studies mentioned in Table-8.

Table 8

Authors	Countries	Number of pauci-immune CrGN	Oliguria (%)	Hemoptysis (%)	Hyper tension (%)	Initial Creat (mg %)
Tang[10]	China	39	51.3	-	55.6	-
Stilmant[19]	UK	16	56	25	50	-
Gupta[9]	India	33	-	-	39.4	6.3
Chen[23]	China	85	-	14.1		6.7
Hedger[22]	UK	128	41	-	47	9.0

80-90% of patient with pauciimmune crescentic GN will have positive ANCA in circulation. Presence of pulmonary hemorrhage is an omnious sign which requires aggressive management. Drug induced AAV behave clinically the same as nondrug related disease. Typically serum complements levels will be normal.

C-ANCA is more specific than P-ANCA. ANCA can also be positive in various other disorders. The positive predictive value of ANCA in a patient with typical clinical features of RPGN is around 95%.[8] Granuloma formation is a typical feature of granulomatosis polyangitis and Churg Strauss syndrome (CSS) (Eosinophilic granulomatosis with polyangitis (EGP)). Cardiac involvement is common in EGP than in other types of AAV.[8]

Renal Biopsy

Renal biopsy is the gold standard for diagnosing renal involvement in patients with AAV. Light microscopy and electron microscopy will show typical features of crescentic necrotizing glomerulonephritis. Periglomerular granulomas are not specific to AAV. Granulomas identified in interstitium or in the arteries are specific to granulomatosis polyangitis and CSS. Features of vasculitis can be seen in renal biopsy. IF findings are very specific and usually they have absent immune deposits. Likelihood of positive ANCA is inversely proportion to intensity of Ig deposition.

ANCA Negative Pauci immune CrGN

10-30% of patient with pauci immune CGN will not have ANCA antibodies in their circulation.[8] Mechanism of renal injury is not clear in this group of patients. There is a probable role for neutrophils and T cell mediated injury. Still it is not clear whether other unidentified autoantibodies are responsible for the renal injury. Few authors consider this as a separate entity with different clinical features and prognosis.[25] ANCA negative will have lesser extra renal manifestations. Treatment is similar to AAV.

Four main studies which addressed this issue and its important findings are mentioned below (Table 9 and Table 10) .[25]

Table 9

Author	**Chen et al**[25]	
Total no of patients	85	ANCA negative =28 ANCA positive = 57
Age of onset	ANCA negative= 39.7 ANCA positive =57.6	ANCA negative patients are younger
Constitutional symptoms	More in ANCA positive patient	
Initial creatinine	ANCA negative patient =7.1 mg% ANCA positive patient =6.49 mg%	
24hours urine protein	ANCA negative patient =5.47 grams ANCA positive patient =2.23 grams	
Outcome	Poor in ANCA negative patient	

Table 10

Authors	Countries	Number of patients	Characteristic findings when compared to ANCA positive patients
Hedger et al[22]	UK	35	In ANCA negative patient Comparable age, slight female predominant, lesser Constitutional symptoms, comparable renal histology and outcomes
Eisenberger[26]	France	20	In ANCA negative Younger age, lower prevalence of constitutional symptoms More chronic histology, comparable out comes
Hung et al[25]	China	15	In ANCA negative Young age , lower constitutional symptoms More chronic histology, poor outcomes

Treatment and Prognosis

Treatment of ANCA associated CrGN and ANCA negative CrGN are not different. According to KDIGO-2012 guidelines the following treatment is to be considered:[17]

- Initial treatment with steroids and CYC for 3 months
- Maximum duration of induction with CYC is six months
- After 3 months to change to azathioprine maintenance therapy.
- PLEX is required if there is associated pulmonary hemorrhage and if the patient receives hemodialysis.
- No maintenance therapy is required if the patient is not having any extra renal manifestations, with dialysis dependency.
- Serum creatinine at entry is the main prognostic factor.
- Relapses are common in AAV. It's more common with C-ANCA positive patients and in patients with lung involvement.
- ANCA positivity is not a contraindication for renal transplantation but patient should be in complete extra renal remission for at least one year before transplant. Recurrence in transplanted kidney can occur in 10-20%.[48]

Immune Complex Mediated CrGN

Most patients with immune complex CGN will have pathological or clinical evidence of a particular category of primary glomerulonephritis, such as post infectious GN, IgA nephropathy, MPGN (membranoproliferative GN) and rarely membranous GN or they may have glomerulonephritis that is a part of a systemic

disease, such as SLE, cryoglobulinemia, or Henoch schonlein purpura. Some group of patients with immune complex CrGN, however, will have patterns of immune complex localization which will not fit into particular categories of glomerulonephritis. This category is considered as idiopathic crescentic immune complex glomerulonephritis. Usually immune complex CrGN will have less extensive crescent formation when compared to other types of CGN. There response to immunosuppressants are not as good as pauci immune CrGN. [8] Immune complex CGN is considered as the most common type of CrGN in children but in adults different studies reported varied results as shown in the following Table 11.

Table 11

Authors	**Countries**	**Total patients (n)**	**% of Immune Complex CrGN**
Jennette[1]	USA	632	24%
Gupta[9]	India	46	28.3%
Tang[10]	China	172	68.6% (most common)
Oudah[21]	Saudi	72	73.5% (most common)

Crescentic Lupus Nephritis

Lupus nephritis can present as crescentic glomerulonephritis. There is no separate class for CrGN in ISN/RPS classification. Crescents can occur in severe classes of ISN/RPS classification. Studies[27,28,29] have looked into the specific features of crescentic lupus nephritis. Clinical features and laboratory findings of crescentic lupus nephritis in various studies showed following results (Table 12):

Table 12

	Feng yu et al[27]	**Shasha chen et al[28]**	**Sumethkul et al[29]**
Countries	China	China	Thailand
No. of crescentic lupus	33	520	32
Gender (F:M)	5.6:1	6.4:1	15:1
Median/Mean age	30.9 ± 10.3	31.7± 11.4	26.5 (15-57)
Median/Mean serum creatinine (Mg %)	3.74± 2.68	1.96±1.86	2.51(1.9-13.7)
Index urine protein (g/24hrs)	6.25± 3.54	4.26±3.16	-
% of index hypertensives	63.6	-	78

Sumethkul et al [29] showed that even patients with segmental crescents involving less than 50% of glomeruli also showed equally poor prognosis as those with more than 50% crescents. Studies [27,28,29] showed that patients with crescentic lupus nephritis will have more acute kidney injury, oliguria, hypoproteinemia, gross hematuria, hyperlipedemia and heavy proteinuria at presentation, when compared to non-crescentic lupus nephritis. On histology, they have more severe glomerular and tubulointerstitial injury and lesser degree of immune deposition when compared to non-crescentic lupus nephritis patients. Also response to immunosuppressants is

lesser with more treatment failures and worse renal outcomes. ANCA positivity in crescentic lupus is not an uncommon finding and there is a pathogenetic role of ANCA in severe crescentic lupus nephritis.[27,28,29]

Crescentic IgA Nephropathy

IgA nephropathy is considered as the most common glomerulonephritis worldwide. There is formation of abnormal hypoglycosylated IgA which self aggregates and autoantibodies are formed against abnormal galactosylated IgA, leading to immune complex formation. These immune complexes will get deposited in the mesangium and leading to mesangial lesions and further injury. It has varied presentations. In renal biopsy, IF finding shows predominant IgA deposition which is diagnostic of IgA nephropathy. Recently introduced Oxford classification uses 'MEST' scoring system for classification and prognosis of IgA nephropathy. In this scoring system crescentic histology is not included. But various studies showed presence of crescents in IgA nephropathy to have worst outcomes.[30,31,32,] Study by Tang et al[10] showed that 16% of CrGN are due to IgA nephropathy.

Demographic and baseline characteristic features of study population in various studies, which looked into the features of crescentic IgA nephropathy are mentioned below (Table 13):

Table 13

Authors	Countries	Total No. of patients	Age	Serum creatinine (mg%)	Urine protein (g/24hrs)	Hyper tension (%)
Dias[30]	Brazil	30	30.3±9.4	3.9±2.9	4.6±3.5	80%
Zhang[31]	China	25	28.5	4.75	3.49	64%
Tumlin[2]	China	20	-	1.70±0.24	3.78±0.54	85%

Bitencourt et al[30] et al reported that crescentic IgA nephropathy patients showed high initial creatinine, proteinuria and hypertension when compared to non-crescentic IgAnephropathy. They also showed rapid progression to ESRD. Tang et al[31] showed patients with crescentic IgA nephropathy had higher percentage of index nephrotic range proteinuria and severe histological changes in their biopsies. Tumlin et al[33] showed that even patients with less than 50% of crescents had poorer prognosis. Kopai et al[32] from Iran showed significant correlation between number of crescents and initial serum creatinine & nephrotic range of proteinuria. They also showed positive correlation between total crescents and 'T' and 'S' scoring of 'MEST' scoring system. According to KDIGO-2012 guidelines crescentic IgA nephropathy should be treated like vasculitis. It should be treated with steroids and oral or IV CYC. Prognosis of IgA crescentic GN is poor.[30,33,34] Abe et al from japan[34] showed prognosis depends upon number of crescents as follows (Table 14):

Table 14

% of crescents in IgA nephropathy	Ten years renal survival
No crescents	100%
Less than 25% crescents	94.3%
25-50 % crescents	81.8%
>50% crescents	25.5%

HSP Nephritis with Crescents

HSP is considered as systemic form of IgA nephropathy. It is common in children. Adults with HSP are not different from children. There is more chance of crescent formation in HSP than in IgA nephropathy. It is treated similar to crescentic IgA nephropathy.

Post Infectious Crescentic Glomerulonephritis

Post infectious glomerulonephritis was considered as a benign immune complex GN unless there is crescent formation. Renal biopsy will show typical diffuse proliferative exudative GN with subepithelial hump formations. IF shows IgG and C3 deposition which changes to C3 alone during later stages. Crescentic post infectious GN is considered as a severe form of infectious GN. They usually present with oligoanuria and hematuria. Elevated ASO, ADNB will help in the diagnosis. It most commonly presents after upper respiratory tract infection or cellulitis. Its incidence varies in different studies as follows (Table 15):

Table 15

Authors	Countries	Total no of crescentic glomerulonephritis	% of post infectious crescentic GN
Tang[10]	China	172	1.1%
Kwang-sun[11]	Korea	17	17.6%
Oudah[21]	Saudi	72	11%
Husseini[35]	Egypt	128	18%
Sriganesh[36]	India	230	30.43%

A study by Nagarik et al[37] from India showed that one fourth of patients with post infectious glomerulonephritis had crescent formation in renal biopsy, more commonly in adult males. Husseini et al[35] showed that in crescentic post infectious GN age, hypertension, nephrotic presentations were main risk factors for renal dysfunction. Hypertension and initial serum creatinine were the important risk factor for mortality. In this study around 65% received hemodialysis at presentation.[35]

Dual Positive Crescentic Glomerulonephritis

Patient with anti GBM disease may have associated ANCA positivity and vice versa. Studies have shown that one third of anti GBM disease may have ANCA positivity and around 5% of patients with initial ANCA positivity may have concurrent anti GBM antibodies in serum.[38,39,40]

Their clinical presentation will not be typical to vasculitis or anti GBM disease. Most of these patients are elderly similar to ANCA vasculitis and the common type of ANCA is P-ANCA.

A landmark study in crescentic glomerulonephritis by Jennette et al showed following baseline features in dual positive patient (Table 16).[1]

Table 16

Parameters	ANCA positive, anti-GBM positive N= 25
>50% crescents	62
Mean % of crescents	67 ±32
Age (yrs)	68 ±13
Male: Female	1.0:1.1
Blacks: Whites	1.0:9.0
Serum creatinine mg%	9.6 ±5.3
Anti-GBM titer	350.5 units/ml
ANCA titers	72.3 ±25 units/ml

There are conflicting results about the outcomes of these patients. Study by Bosch et al[39] showed better prognosis than anti GBM disease. Segelmark et al[40] from Sweden showed this group of patients behave better than anti GBM disease alone. But Levy et al from UK showed outcomes of these patient worse than anti GBM disease.[38] Another study by Rutger et al[42] showed double positive patients to have worse outcomes than ANCA vasculitis alone or anti GBM disease alone. Zhao et al[41] from China evaluated 48 patients with dual positive crescentic glomerulonephritis patients and showed their renal survival at one year was around 14.6%. Hemoptysis, high titer anti GBM antibodies, anuria at presentation, >85% crescents in renal biopsy were considered as poor prognostic findings.[41] Levy et al[38] showed following findings in dual positive patients (Table 17).

Table 17

Initial serum creatinine/ dialysis status	1 year patient survival	1 year renal survival
<500 umol/L	100%	71%
>500 umol/L	100%	0%
Dialysis dependent	35%	0%

AIM OF THE STUDY

To study clinical, biochemical, histological characteristics and outcomes of patient with crescentic glomerulonephritis.

OBJECTIVES

To study demographic, clinico pathological findings and outcomes of patients with at least 10 percent crescents in their renal biopsy

To compare clinico pathological features and outcomes between immune complex mediated crescentic glomerulonephritis and non immune complex mediated crescentic glomerulonephritis.

To compare clinico pathological features and outcomes between immune complex mediated crescentic glomerulonephritis and non immune complex mediated crescentic glomerulonephritis patients with more than 50% crescents in their renal biopsy.

To compare clinico pathological features and outcomes between immune complex mediated crescentic glomerulonephritis and non immune complex mediated crescentic glomerulonephritis patients with less than 50% crescents in their renal biopsy.

To determine clinical and laboratory predictors of dialysis dependency at index visit.

PATIENTS AND METHODS

This is an observational retrospective cohort study done at Department of Nephrology Christian Medical College, Vellore. This study protocol was approved by Institutional review board and Ethical committee of Christian Medical College, Vellore.

Inclusion criteria:

Biopsy proven crescentic glomerulonephritis patients from Jan 2006 to December 2012

Exclusion criteria:

1. Age <18 years

2. Renal allograft biopsy with crescents

Patients who underwent renal biopsy between January 2006 to December 2012 and reported as having ≥10% crescents were included in this study.

Data regarding their clinico demographic profile, biochemical parameters, histopathological reports, treatment details at index visit, dialysis schedules, morbidity and mortality were retrieved from Clinical Workstation and patients records maintained in our hospital. Follow up data regarding their dialysis requirement, serum creatinine, proteinuria, albumin and complications if any were collected till February 2014 at each review visit. During index visit and follow up, patients were classified into various stages of CKD (K/DOQI-2002)) using eGFR by CKD-EPI and MDRD equations. 24 hours urine protein values at index visit and during follow up if available were taken in to account to classify remission, partial

remission and no remission of proteinuria. If 24 hours urine value was not available, then extrapolated urine protein by urine Creatinine ratio or urine dipstick protein values were taken into account. Status of proteinuria was classified as follows:

- Complete remission of proteinuria- 24 hours urine protein < 500 mg/day or urine protein creatinine ratio (UP/UC) <0.5
- Partial remission of proteinuria- At least 50% reduction from baseline proteinuria and less than 3.5 grams/day.
- No remission of proteinuria - If above criteria were not fulfilled.

Data was analyzed using SPSS software 16.0. Normally distributed values were expressed as mean± standard deviation, skewed variables were expressed as median with inter quartile range. Significant associations for categorical variables were done by Chi square test or Fisher exact test and associations for continuous variables were analyzed using Mann Whitney U. Multivariable logistic regression was used to look for predictors of dialysis dependency at index visit. P value <0.05 was taken as significant.

Data was analyzed for whole cohort and compared separately after dividing the diagnosis into immune complex crescentic glomerulonephritis (IC-CrGN) and non immune complex mediated crescentic glomerulonephritis (NIC-CrGN). Data was also analyzed separately for those having > 50% crescents and less than 50% crescents.

RESULTS

A total of 265 patients between Jan 2006-Dec 2012 whose renal biopsies were reported as having more than 10% crescents were included in this study. The mean age of patients was 40.14 ± 14.34 years with median follow up period of 3(1-83) months. Females constituted 57% of the cohort, with a Female: Male ratio of 1.3:1. The different causes of crescentic glomerulonephritis in this study and its frequency are mentioned below.

Table 18

Types of crescentic glomerulonephritis		**Frequency (N=)**	**%**
1	Anti GBM disease	16	6.0
2	ANCA associated vasculitis (AAV)	41	15.5
3	Pauci Immune ANCA negative vasculitis	50	18.9
4	Lupus nephritis	69	26.0
5	IgA nephropathy	31	11.7
6	HSP	6	2.3
7	PIGN(Post infectious GN)	35	13.2
8	MPGN	3	1.1
9	Primary Membranous Nephropathy	1	.4
10	Diabetic nephropathy	2	.8
11	Dual positive(AntiGBM+ ANCA)	6	2.3
12	FSGS	1	.4
13	C1q nephropathy	4	1.5
	Total	265	100.0

The commonest cause of crescentic glomerulonephritis in this study was Lupus nephritis which accounts for 26% of patients. Next to lupus, pauci immune ANCA negative glomerulonephritis accounts for 18.9% of patients.

Clinical features at the time of presentation and its frequency is mentioned below.

Table 19

Clinical features at presentation	Frequency (%)
Edema	71.3
Hypertension	53.2
Oliguria	41.5
Fever	31.3
Arthritis	20.4
Uremic symptoms	17
Skin lesions	17
Gross hematuria	10.9
Anuria	8.3
Hemoptysis	4.9

The most common clinical feature at presentation was edema which was presented in 71.3% of patient followed by hypertension and oliguria. Uremic symptoms were presented in 17% of patients. Frequency of hemoptysis at presentation in our study was 4.9%. As a co morbid illness past history of hypertension alone was present in 20.8% of patient, diabetes alone was present in 2% of patients and both hypertension and diabetes were present in 6.8% of patient.

Urine analysis showed microscopic hematuria in 87.4% of patient and leucocyturia was present in 57.3 % of patient. Significant (>500mg) proteinuria was present in 98.1% of patient. 52.5% of patient presented with nephrotic range of proteinuria. Among the patients tested for lipid prolife at presentation (n=165), dyslipidemia was present in 69% of patients. Mean hemoglobin level was 9.17± 2.3 g/dl. Mean creatinine at presentation was 5.15± 4.04 mg%. Mean proteinuria at presentation was 4142± 3393 mg per day.

Baseline Serological values are mentioned below.

Table-19

Serological values	**Total tested (N)**	**Test +ve (n)**	**Frequency (%)**
Low C_3	252	113	44.8
Low C_4	252	34	13.49
Elevated ASO	104	11	10.57
Elevated ADNB	98	10	10.20
Elevated ANA	224	85	37.94
Elevated dsDNA	191	47	24.6
Positive ANCA	197	52	26.4
Positive HbsAg/HCV/HIV status	265	7	2.64
LA positive	26	14	53.8
Elevated Anti SSA/SSB	20	10	50
Coombs positive	36	17	47.2

Among these one patient with pauci immune vasculitis had elevated ADNB as he had cellulitis before biopsy, rest of them were post infectious glomerulonephritis (PIGN). ASO was positive nonspecifically in low titers in 3 patients with vasculitis and rest of them had PIGN. ANA was nonspecifically positive in 23 patients, rest of them had lupus nephritis. dsDNA was positive only in lupus nephritis. ANCA was positive nonspecifically at low titers in 5 patients (4-lupus nephritis, 1-IgAnephropathy). Rest of them were either ANCA vasculitis

(n=41) or dual positive (n=6) patients. Among virology positive patients, 3 were HBV positive and 3 were HCV positive and one was HIV positive patient. Only 25 patients with lupus nephritis tested for LA positivity and it was positive in about half of them. APLA was positive in five of the lupus nephritis patients. Ten patients with lupus nephritis also showed Anti SSA/SSB positivity. Anti RNP was positive in six lupus nephritis patient. One patient with pauci immune vasculitis showed mild lupus anticoagulant positivity. One patient with pauci immune crescentic glomerulonephritis also showed positive Anti SSA/SSB, rest of them had lupus nephritis. Direct coombs test was positive in three AAV patient, rest of the positive patients was in crescentic lupus nephritis group.

Renal biopsy findings and its frequencies are mentioned below.

Table-20

% of crescents	**Frequency (N=265)**	**Percentage (%)**
>=50%	144	54.3
26-49%	42	15.8
11-25	68	25.7
<=10	11	4.2
Total	265	100

Table-21

Type of crescents	**Frequency(N=)**	**Percentage(%)**
Cellular	89	33.6
Fibrous	29	10.9
Fibrocellular	120	45.3
Cellular to fibrocellular	27	10.2
Total	265	100

Table-22

Light microscopic biopsy findings	**Frequency N=265**	**(Percentage)**
Mesangial proliferation	143	(54%)
Endocapillary proliferation	224	(84.5%)
Intercapillary glomerulosclerosis	13	(4.9%)
Glomerular tuft necrosis	129	(21.5%)
Neutrophilic infiltration	57	(48.7%)

Totally 54.3% of patient had more than 50% of crescents. Most common type of crescent was fibrocellular, which accounted for 45.3% of patient, followed by cellular crescents in 33.6% of patient. Four lupus nephritis patients had hyaline thrombi in capillaries.

Table-23

Vascular lesions in light microscopy	**Frequency(N= 265)**	**Percentage**
Normal	91	34.3
Arterio sclerosis	34	12.8
Arteriolar sclerosis	86	32.5
Both arteriolar and arteriosclerosis	49	18.5
Vascular necrosis	5	1.9
Total	265	100

Table-24

Interstitial fibrosis and tubular atrophy in LM	Frequency(N=265)	Percentage
FOCAL IFTA	136	51.3
MODERATE IFTA	17	6.4
SEVERE IFTA	68	25.7
NOIFTA	44	16.6
Total	265	100

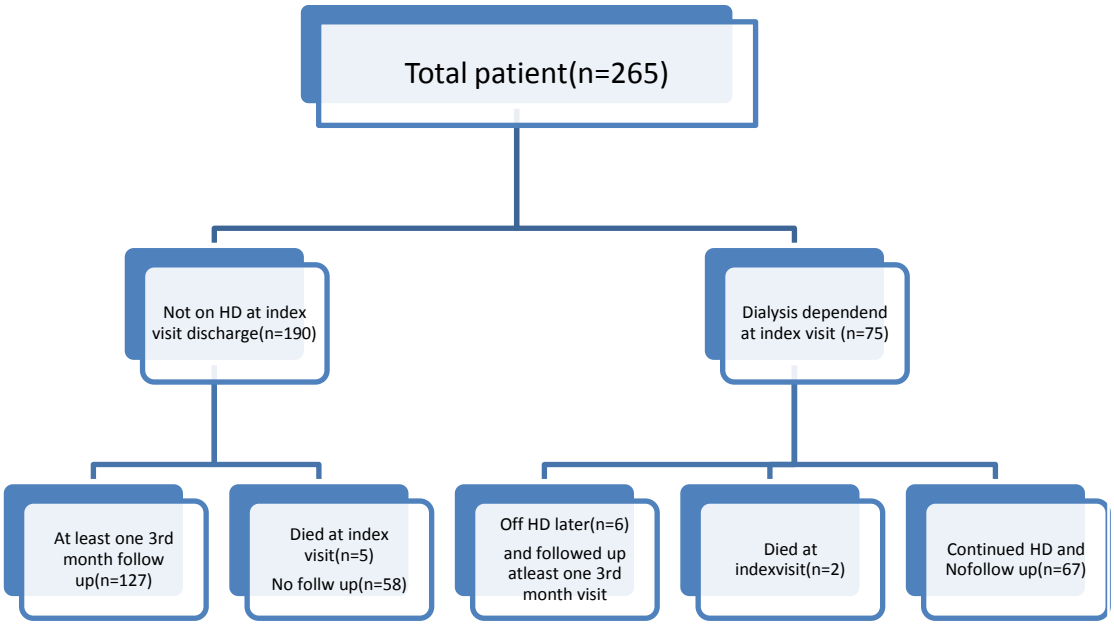
Immunofluorescent finding of renal biopsy is mentioned below

Table-25

IF FINDING	Frequency	Percent
LINEAR	22	8.3
IMMUNECOMPLEX	152	57.4
PAUCI IMMUNE	91	34.3
Total	265	100.0

Severe interstial fibrosis and tubular atrophy (IFTA) was present in 25.7% of patient. Most common IF finding was immune complex type (N=152), followed by pauci immune and then linear deposits .Among the immune complex type most common disease was lupus nephritis (n=69). 35.8% of patient underwent hemodialysis before renal biopsy.

Figure-10



At index visit before treatment, patient were in the following stages of CKD with its frequencies given below.

Table-26

	Stage of CKD	**Frequency**	**Percentage (%)**
1	stage1	14	5.3
2	stage2	20	7.5
3	stage3	46	17.4
4	stage4	56	21.5
5	stage 5	53	20.0
6	DD STAGE 5	76	28.3
	Total	265	100.0

Six patients died during index visit. Two patients were on dialysis during that period. After renal biopsy 20 patients underwent plasma exchange. Indications for plasma exchanges done during index visit as follows.

Table-27

Plasma exchange indications		**Frequency(N=)**	**Percentage (%)**
1	Not underwent TPE	245	92.5
2	For pulmonary hemorrhage alone	3	1.1
3	For renal indications alone	13	4.9
4	For renal with pulmonary hemorrhage	3	1.1
5	For HUS alone	1	.4
	Total	265	100.0

Table-28

Immunosuppressant(IMS)		**Frequency(N=)**	**Percentage (%)**
1	NO IMS	25	9.5
2	STEROIDS ALONE	75	28.3
3	STEROIDS WITH OTHER IMS	164	61.9
4	TPE ALONE	1	0.3
	Total	265	100.0

Totally 133 patients came for further follow up after treatment. They attended at least one visit at or after 3 months.

Patients who came for follow up (n=133) were in following stages of CKD.

Table-29

Stages of CKD		**Frequency(N=265)**	**Percentage(%)**
1	CKD STAGE1	20	7.5
2	STAGE2	28	10.6
3	STAGE3	38	14.3
4	STAGE4	22	8.3
5	STAGE5	13	4.9
6	STAGE5 DD	12	4.5
Total followed		133	50.2
Not followed		132	49.8
Total		265	100.0

Table-30

GFR status compared to Index visit	**Number(N=)**	**Percentage(%)**
GFR loss with change in stage	20	7.5
GFR loss no change in stage	25	9.4
GFR improved with change in stage	63	23.8
GFR improved no change in stage	25	9.4
Total followed	133	50.2
Not followed	132	49.8
Total	265	100.0

During follow up at last visit(n=133) when compared to index visit eGFR , 88 (66.16%) patients showed improvement in GFR and 45(33.84%)patients showed loss of GFR.

Table-31

Proteinuria status		**Frequency(N=)**	**Percent**
1	Normal from index visit itself	3	2.6
2	Complete remission	52	44.8
3	Partial response	28	24.1
4	Progressed from normal to sub nephrotic	5	4.3
5	Progressed from sub nephrotic to nephrotic	4	3.4
6	Remains nephrotic	12	10.3
7	Remains sub nephrotic	12	10.3
	Total	116	50.18

Totally proteinuria data was available at last visit in 116 patients. Among these 44.8% had complete remission, 24.1 %had partial remission and 28.3 %had worsening proteinuria.

Table-32

	Frequency(N=)	**Percentage(%)**
SEPSIS	5	1.9
TB	3	1.1
PNEUMONIA	5	1.9
AVASCULARBONEDISEASE	1	0.4
DIABETES	9	3.4
INFECTION NOT SPECIFIED	2	0.8
GI BLEED	3	1.1
ALVEOLARHEMORRHAGE	1	0.4
NEUTROPENIA/PANCYTOPENIA	14	5.3
PLEURAL EFFUSION EXUDATIVE	1	0.4
HERPES	3	1.1
HYPERTENSION	2	0.8
PANCREATITIS	2	0.8
CMV	1	0.4
DYSLIPEDEMIA	2	0.8
Total	265	100

Totally 51 events of complications occurred during the course. Most common complication was neutropenia followed by infection. There was eleven documented in hospital death during this study period. Common cause of death is mentioned below.

Table-33

	Frequency	**Percent**	**Valid Percent**
SEPSIS	6	2.3	54.5
CVA	2	0.8	18.2
ALVEOLARHEMORRHAGE	2	0.8	18.2
PULMONARY EMBOLISM	1	0.4	9.1
Total	11	4.2	100

Data was analyzed after splitting our diagnosis into immune complex type (ICCGN) and non immune complex type (NICCGN). Non immune complex type included Anti GBM disease, ANCA associated vasculitis, pauci immune crescentic glomerulonephritis and dual positive crescentic GN. Rest of the diagnosis which showed immune complex deposition in IF was considered as immune complex crescentic glomerulonephritis.

Table-34

Type of crescentic GN		**Frequency**	**Percent**
Non Immune Complex	FEMALE	59	52.2
	MALE	54	47.8
	Total	**113**	**100**
Immune Complex	FEMALE	92	60.5
	MALE	60	39.5
	Total	**152**	**100**

In both non immune complex type and immune complex type females outnumbered males. In non immune complex type 52.2% were females and in immune complex type 60.5% were females (p=0.176). Most common type of non immune complex type of disease was ANCA negative pauci immune crescentic glomerulonephritis (44.2%). In immune complex type most common cause was lupus nephritis (45.4%). Mean age of patients in non immune complex group was 43.85± 14.3 and in immune complex group it was 37.3± 13.6. NICCGN had more number of older individuals (p=0.00) than ICCGN. Median time of follow up in non immune complex group was 3(1-83) months and in immune complex group it was 4(1-78) months.

Various presenting symptoms and its percentage of frequencies are mentioned below.

Table-35

Presenting symptoms	**Non immune complex**	**Immune complex**	p value
Edema	66.4%	75%	0.125
Hypertension	54%	52%	0.641
Oliguria	45.1%	38.8%	0.302
Fever	30.1%	32.2%	0.709
Arthralgia	19.5%	21.1%	0.752
Uremic symptoms	35.4%	19.1%	***0.003***
Skin lesions	12.4%	20.4%	0.086
Gross hematuria	14.2%	8.6%	0.148
Anuria	15%	3.3%	***0.001***
Hemoptysis	`10.6%	0.7%	***0.000***
Frothy urine	1.8%	0.7%	0.577
Photosensitivity	1.8%	7.9%	***0.028***

Anuria, hemoptysis and uremic symptoms were more common in non immune complex type of crescentic GN which is statistically significant ($p<0.05$).

Photosensitivity was more common in ICCGN ($p= 0.028$). NICCGN had less extra renal manifestations except hemoptysis.

Table-36

Comorbid illness	**Non immune complex**	**Immune complex type**
HT alone	17.7%	23%
DM alone	3.5%	0.7%
Both DM&HT	8%	5.9%
None	70.8%	70.4%

As a comorbid illness hypertension was commonly present in immune complex type than non immune complex type of crescentic GN. Diabetes was commonly present in non immune complex type of crescentic GN. But they were not statistically significant ($p=0.159$).

LABORATORY FINDINGS

Table-37

Lab parameters	**NICCGN**	**ICCGN**	**p value**
Microscopic hematuria (>5RBC/HPF)	86.7%	88.2%	0.727
Urine leucocyturia (>5WBC/HPF)	54.9%	59.9%	0.415
Proteinuria	97.3%	98.7%	0.408
Dipstick protein(2+ or more)	86.2%	94.7%	***0.018***
Low C3	23.9%	60.8%	***0.000***
Low C4	1.8%	22.4%	***0.000***
Positive ASO	6.5%	13.8%	0.231
Positive ADNB	2.3%	16.7%	***0.021***

ANA positive	19.6%	52%	***0.000***
dsDNA positive	0%	39.8%	***0.000***
ANCA positive	42.8%	5.8%	***0.000***
Anti SSA/SSB Positive	50%(n=1)	50%(n=9)	1.000
LA positive	100%(n=1)	52%(n=13)	1.00
APLA positive	0%	17.9%	***0.000***
Direct coombs positive	75%(n=3)	43.8%(n=14)	0.326
Mean Hemoglobin(g/dl)	8.68± 2.43	9.53± 2.1	***0.000***
Serum cholesterol (mg/dl)	189± 67.34	219.4± 81.67	***0.014***
Triglycerides(mg/dl)	162.38±99.05	195.46±109.55	***0.019***
HDL(mg/dl)	41.83±12.48	45.61±21.05	0.458
LDL(mg/dl)	112±57.3	130.21±57	***0.037***
Serum albumin(g/dl)	3.17± 0.64	2.70± 0.8	***0.000***
ANCA titers	134±113.48	21±4.98	***0.014***
Mean creatinine(mg/dl)	6.97± 4.5	3.7±2.9	***0.000***
Median eGFR before biopsy (ml/min/1.73m^2) (IQR-25th-75th)	9(5-22.5)	23(IQR-25th-11:75th-46.75)	***0.000***
Median proteinuria(mg) (IQR-25th-75th)	2770 (1150-4620)	4200(2040-6400)	***0.001***

Patient with nonimmune complex crescentic glomerulonephritis (NICCGN) presented with higher creatinine with lower hemoglobin and higher titers of ANCA than immune complex type (ICCGN). Patient with immune complex type crescentic GN presented with higher proteinuria with lesser serum albumin, higher cholesterol, triglycerides, and LDL than non immune type. Statistically significant number of patient received IMS before biopsy in ICCGN group.15.9% of patient in NICCGN received immunosuppressant (IMS) before biopsy and 32.3% of patient in ICCGN received IMS before biopsy.

Figure-11

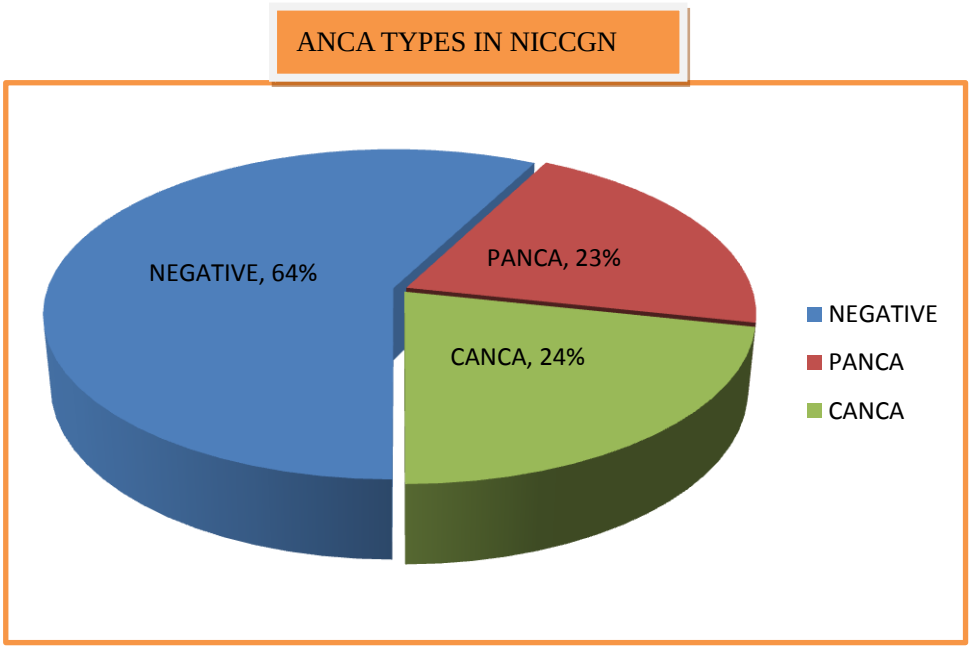
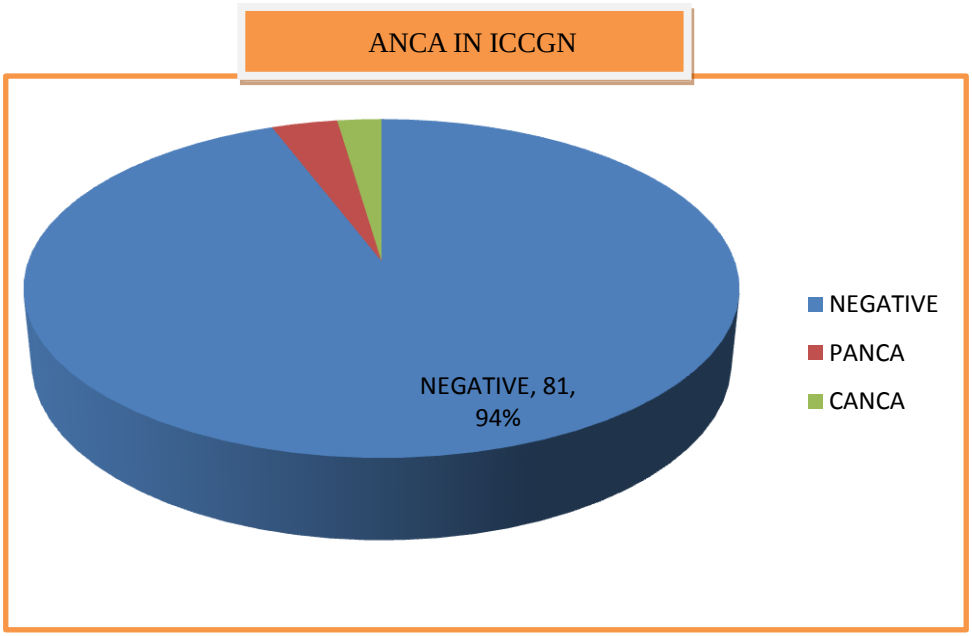


Figure-12



NICCGN type were predominantly ANCA negative (64%), ICCGN type also showed non specific ANCA positivity in low titers. ANCA titers were significantly high in NICCGN.

Renal biopsy findings of two groups are mentioned below.

Table-38

Biopsy findings	**NICCGN**	**ICCGN**	**p value**
Total glomeruli	9.9± 5.13	10.48±5.27	0.466
Sclerosed glomeruli	2.54	1.61	***0.039***
Total no of crescents	5.08± 3.53	3.7± 2.71	***0.001***
Crescentic percentage	60.08±29.5	44.01±27.79	***0.000***

Table-39

Percentage of crescents			**Frequency**	**Percent**
Non Immune Complex		<=10	1	0.9
		>=50%	76	67.3
		26-49%	17	15
		11-25	19	16.8
		Total	113	100
Immune Complex		<=10	10	6.6
		>=50%	68	44.7
		26-49%	25	16.4
		11-25	49	32.2
		Total	152	100

Non immune complex type CGN had higher percentage of sclerosed glomeruli, higher number of crescents and higher percentage of crescents in renal biopsy compared to ICCGN, which was statistically significant. Statistically significant number of patient in NICCGN group had more than 50% crescents (p= 0.001)

`Predominant types of crescents in two groups are as follows.

Table-40

Type of crescents		Frequency	Percent
Non Immune Complex	Cellular	32	28.3
	Fibrous	16	14.2
	Fibrocellular	51	45.1
	Cellular to fibrocellular	14	12.4
	Total	113	100
Immune Complex	Cellular	57	37.5
	Fibrous	13	8.6
	Fibrocellular	69	45.4
	Cellular to fibrocellular	13	8.6
	Total	152	100

In NICCGN type 67.3% of renal biopsy showed >50% crescents with predominant fibro cellular (45.1%) crescents and in ICCGN type 44.75% of renal biopsy showed > 50% crescents with predominant fibrocellular crescents(45.4%).

Other renal biopsy findings and its frequencies mentioned below.

Table-41

Renal biopsy findings	**NICCGN**	**ICCGN**	**Pvalue**
Mesangial hypercellularity	42.5%	62.5%	***0.001***
Endocapillary proliferation	76.1%	90.8%	***0.001***
Glomerular tuft necrosis	31%	14.5%	***0.001***
Neutophilic glomerular infiltrates	37.2%	57.2%	***0.001***
Vascular arterio & arteriolar sclerosis	60.2%	65.2%	0.348
Vascular necrosis	1.8%	2%	0.904
Moderate & Severe IFTA	40.7%	25.7%	***0.009***

NICCGN presented with significant glomerular necrosis& severe interstitial fibrosis and tubular atrophy (IFTA) than ICCGN. Neutrophilic infiltration, mesangial proliferation, endocapillary proliferation were significantly more in ICCGN.

Table-42

	NICCGN	ICCGN	p value
Received TPE	16.8%	0.7%	***0.000***
Received HD at index visit	54%	22.4%	***0.000***
Started on steroids alone after biopsy	15.9%	36.2%	***0.000***
No IMS	12.4%	7.2%	0.156
Dialysis dependent at index visit	42.5%	17.8%	***0.000***

Therapeutic plasma exchange (TPE) was given for renal indications like AntiGBM disease, ANCA associated crescentic GN on dialysis and HUS, non renal indications like pulmonary hemorrhage also received TPE. Totally six patient died (NICCGN=2, ICCGN=4) at index visit. NICCGN patient more commonly received TPE/dialysis during index visit and they were more commonly dialysis dependent at discharge than ICCGN group. Significantly more number of patients in NICCGN were started on steroids alone.

Index visit CKD stages of patient are mentioned below.

Figure-13

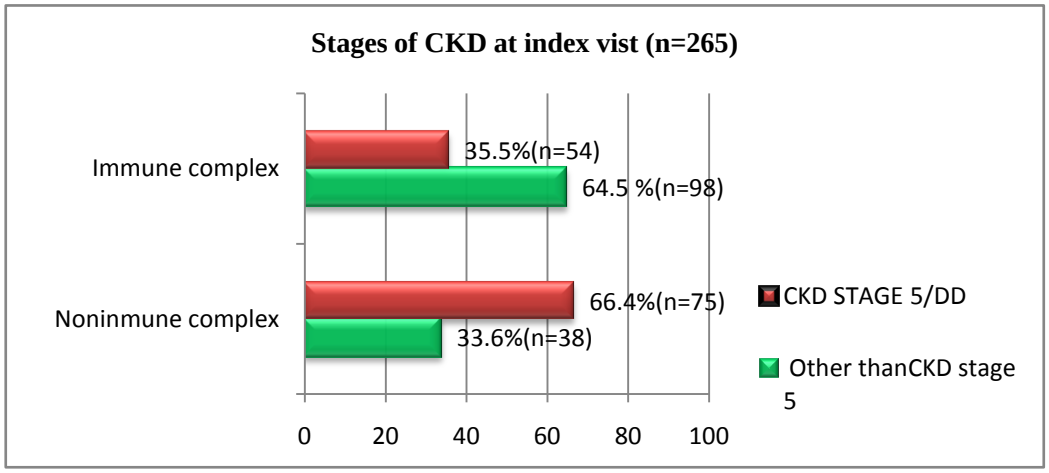


Table-43

Index visit eGFR		Frequency	Percent
Non Immune Complex	eGFR >60 ml/min	6	5.3
	eGFR <60 ml/min	107	94.7
	Total	113	100
Immune Complex	eGFR >60 ml/min	28	18.4
	eGFR <60 ml/min	124	81.6
	Total	152	100

During index visit discharge 2/3 of patients in NICCGN were in CKD stage 5/DD, but in ICCGN group only 35.5% were in CKD stage 5/DD which was statistically significant (p=0.000).

Fifty four patients in NICCGN and 79 patients in ICCGN group came for at least one revisit follow up at or after 3 months.

Figure-14

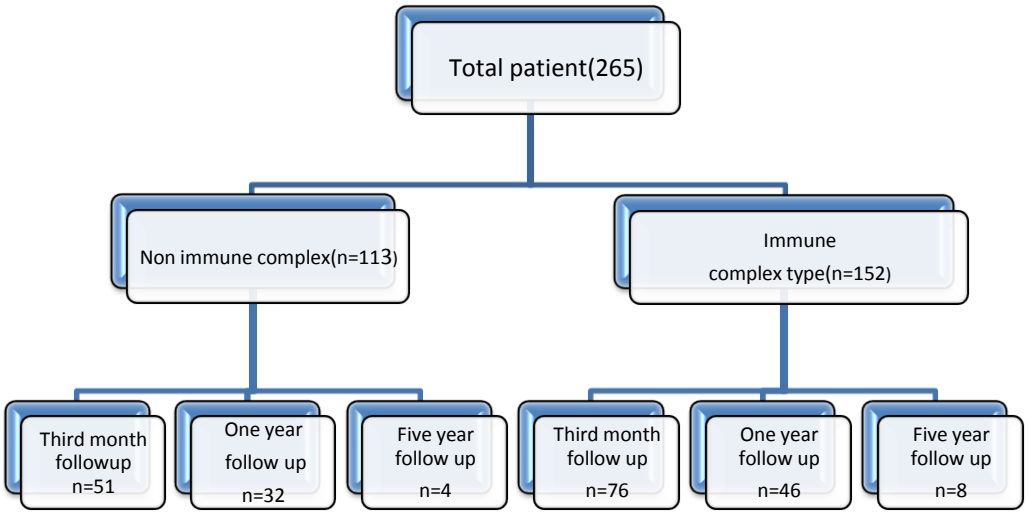


Table-44

VISIT	NICCGN	ICCGN	p value
Mean GFR at index GFR(ml/min/1.73m^2)	17.12±21	34.39±32	***0.000***
Mean GFR at 3rdM GFR(ml/min/1.73m^2)	40.18±27.93	64.62±34.3	***0.000***
Mean GFR at 1year GFR(ml/min/1.73m^2)	50.19±26.73	70.07±32.63	***0.009***
Mean GFR at 5year GFR(ml/min/1.73m^2)	40.5± 25.7	45±25.3	1.000
Mean GFR at last visit GFR(ml/min/1.73m^2)	37.63±27.47	59.47±38.08	***0.001***

NICCGN patient presented with severe renal failure at index visit when compared to ICCGN. During third month and at one year follow up NICCGN patients had lesser eGFR than in ICCGN. There was no significant difference in eGFR between groups at fifth year, probably due to lesser number of patients at this period of follow up. During last follow up, statistically significant number of patient in ICCGN had eGFR > 60 ml/min when compared to NICCGN.

Proteinuria at index visit was compared to proteinuria at last visit (those who had urine analysis report). Differences between NICCGN and ICCGN groups were not significant (p=0.649)

Table-45

Proteinuria		Percent
Non Immune Complex	No remission	77.5
	Remission	22.5
	Total	100
Immune Complex	No remission	81.2
	Remission	18.8
	Total	100

Frequencies of infectious complications in two groups are as mentioned in the table below and the difference is not significant.

Table-46

		Frequency
Non Immune Complex	Non infection/Nil	92.9%
	Infection	7.1%
Immune Complex	Non infection/Nil	92.1%
	Infection	7.9%

Eleven patients died during study period. Cause of death mentioned below.

Figure 15

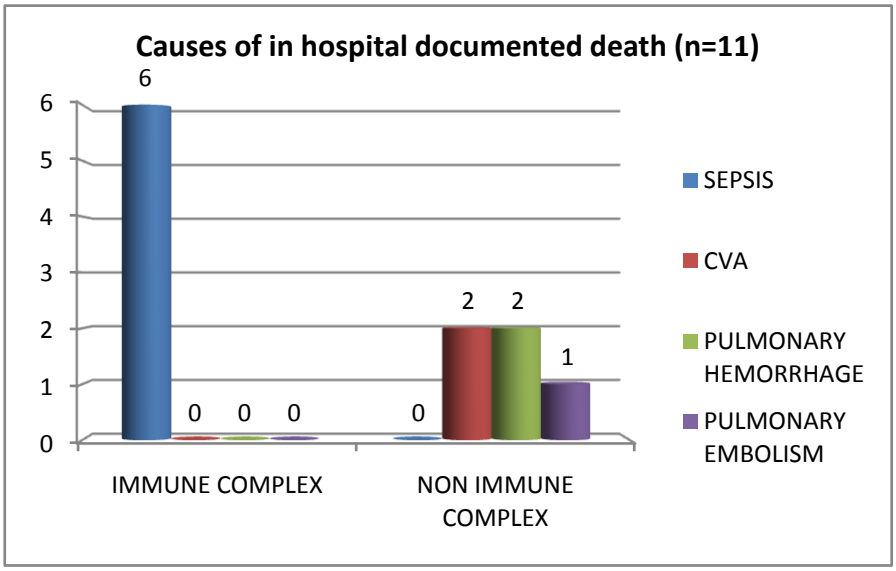
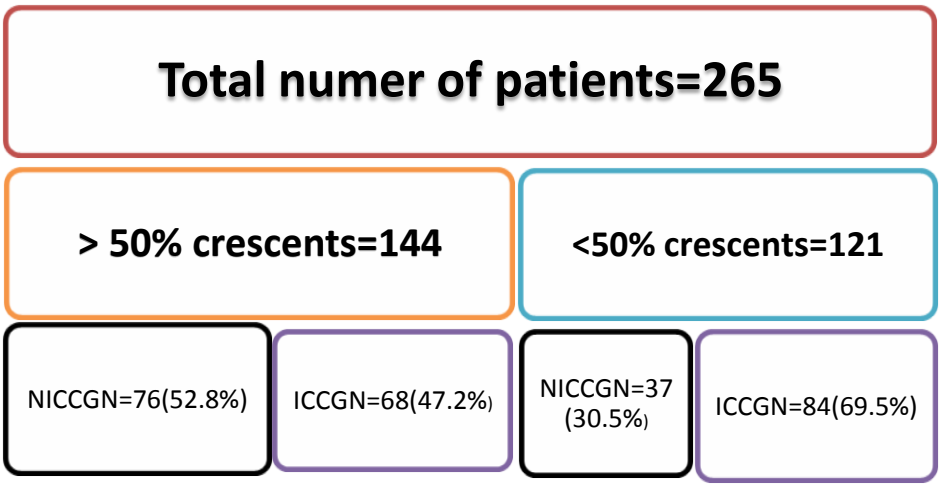


Figure-16



Totally 265 patients were included in this study. Among this 144 patient had more than 50% crescents in renal biopsy. 121 patients had less than 50 % crescents in renal biopsy. In more than 50% group almost equal number of patient were in NICCGN group and ICCGN group. But in patient with less than 50% crescents almost 69.5% were in ICCGN group and only 30.5% were in NICCGN group.

Sub group analysis was done for patient having more than 50% crescent (76 in NICC+68 in ICCGN=144) in both groups and results are mentioned below.

Table-47

Type of crescentic GN with > 50% crescents		**Frequency**	**Percent**
Non Immune Complex	Female	43	56.6
	Male	33	43.4
	Total	76	100
Immune Complex	Female	43	63.2
	Male	25	36.8
	Total	68	100

In both groups females outnumbered males. Mean age of patient in non immune complex group was 41.67± 14.57 and in immune complex group it was 36.8± 13.5 years.

Table-48

Presenting symptoms	**Non immune complex**	**Immune complex**	**p value**
Edema	69.7%	80.9%	0.123
Hypertension	53.9%	55.9%	0.816
Oliguria	52.6%	54.4%	0.831
Fever	30.3%	32.4%	0.787
Arthralgia	17.1%	14.7%	0.695
Uremic symptoms	46.1%	32.4%	0.093
Skin lesions	6.6%	16.2%	0.067
Gross hematuria	17.1%	8.8%	0.143
Anuria	19.7%	5.9%	***0.014***
Hemoptysis	13.2%	0.0%	***0.002***
Frothy urine	1.3%	0.0%	1.000
Photosensitivity	0%	11.8%	***0.002***

Anuria and hemoptysis were common in NICCGN and photosensitivity was common in ICCGN group which were statistically significant.

Various lab parameters and its statistical significance are mentioned below.

Table-49

Lab parameters	**NICCGN**	**ICCGN**	**p value**
Microscopic hematuria (>5RBC/HPF)	90.8%	95.6%	0.334
Urine leucocyturia (>5WBC/HPF)	52.6%	63.2%	0.199
Dipstick protein(2+ or more)	91.8%	95.4%	0.497
Low C3	28%	63.6%	***0.000***
Low C4	1.3%	22.7%	***0.000***
Positive ASO	0%	7.7%	***0.026***
Positive ADNB	2.3%	16.7%	0.115
ANA positive	15.2%	50%	***0.000***
dsDNA positive	0%	33%	***0.000***
ANCA positive	41.3%	7.1%	***0.000***
Mean Hemoglobin(g/dl)	8.27± 2.1	9.1± 2.1	***0.006***
Serum cholesterol (mg/dl)	194± 74	219.4± 77	0.085
Triglycerides(mg/dl)	164±108	211±116	***0.016***
HDL(mg/dl)	42±12	43±17	0.864
LDL(mg/dl)	116±63	128±62	0.240
Serum albumin(g/dl)	3.17± 0.64	2.70± 0.8	***0.001***
ANCA titers	128±118	24±5	***0.000***
Mean Creatinine(mg/dl)	8.4± 4.3	5.3±3.1	***0.000***
Median eGFR before biopsy (ml/min/1.73m^2) (IQR-25th-75th)	7(4-10)	12.5(IQR-25th-8:75th-25.75)	***0.000***
Median proteinuria(mg) (IQR-25th-75th)	3150 (1700-5516)	4200(2300-6100)	***0.041***

Patients with nonimmune complex crescentic glomerulonephritis (NICCGN) presented with higher creatinine with low eGFR, lower hemoglobin and higher titers of ANCA than immune complex type (ICCGN) at presentation. Patient with immune

complex type crescentic GN presented with higher proteinuria with lesser serum albumin and higher triglycerides than non immune type. 10.5% of patients were diabetic in NICCGN group and 5.9% of patients were diabetic in ICCGN group. 78.9% of patient in NICCGN group and 69.1% of patient in ICCGN group were known hypertensive.

Renal biopsy findings are mentioned below.

Table-50

Renal biopsy findings	**NICCGN**	**ICCGN**	**Pvalue**
Mean Total glomeruli	9.93±5.4	9.5±4.51	0.664
Median Sclerosed glomeruli	1(0-5.75)	0(0-3)	0.140
Mean Total no of crescents	6.29±3.55	5.51±2.83	0.208
Mean Crescentic percentage	77.8±19.37	70.1±18.6	***0.021***
Cellular crescents	25%	26.5%	0.84
Mesangial hypercellularity	31.6%	55.9%	***0.003***
Endocapillary proliferation	71.9%	89.7%	***0.005***
Glomerular tuft necrosis	23.7%	10.3%	***0.034***
Neutrophilic infiltrates	31.6%	58.8%	***0.001***
Hyaline thrombi	0%	4.4%	0.130
Arterio & arteriolar sclerosis	63.2%	60.3%	0.724
Vascular necrosis	1.3%	4.4%	0.340
Moderate & Severe IFTA	48.7%	36.8%	0.149

Crescentic percentages were higher in NICCGN. Glomerular tuft necrosis was common in NICCGN than ICCGN. Proliferative lesions and neutrophilic infiltrations were common in ICCGN than NICCGN. Vascular lesions and severe interstitial fibrosis were not significantly different between two groups.

Table-51

	NICCGN	**ICCGN**	**p value**
Received TPE	22.4%	1.5%	***0.000***
Received HD at index visit	68.4%	35.3%	***0.000***
Started on steroids alone after biopsy	13.2%	29.4%	***0.017***
No IMS	14.5%	7.4%	0.175
Dialysis dependent at index visit	55.3%	30.9%	***0.003***

Significantly higher percentage of patient in NICCGN group received plasma exchange and dialysis during index visit. More of the NICCGN group patients were dialysis dependent at discharge during index visit. Steroid alone was started in ICCGN group in significant number of patient than NICCGN.

Table-52

Visit	**NICCGN**	**ICCGN**	**p value**
Index visit stage </=2= 0	1.3%	5.9%	0.135
Index visit stage >/=3	98.7%	94.1%	0.135
Last visit stage </=2= 0	11.5%	29.5%	0.107
Last visit stage >/=3	88.5%	70.5%	0.107
Last visit stage≤ 4	65.4%	77.4%	0.314
Last visit stage5/stage 5DD	34.6%	22.6%	0.314
Last visit GFR improved(compared to index visit)	63%	68.4%	0.519
Last visit GFR worsened(compared to index visit)	37%	31.6%	0.519

There was no significant difference in stages of CKD during follow up and in improvement between groups with >50% crescents.

Table-53

	NICCGN	**ICCGN**	**p value**
Mean GFR at index GFR(ml/min/1.73m^2)	9.6±9.2	19.09±16.64	***0.000***
Mean GFR at 3rdM GFR(ml/min/1.73m^2)	32.76±26.5	50.03±30.5	***0.028***
Mean GFR at 1year GFR(ml/min/1.73m^2)	39.53±26.3	57.13±27.42	0.089
Mean GFR at 5year GFR(ml/min/1.73m^2)	47± 27.5	38±1.4	0.564
Mean GFR at last visit GFR(ml/min/1.73m^2)	29.04±24.1	46.26±35.34	0.069

Mean GFR at index visit and at third month were lower in NICCGN group compared to ICCGN.

During follow up 26.3% of patient in NICCGN group and 16% of patient in ICCGN group attained proteinuric remission, but which was not statistically significant between groups. During follow up ICCGN group patient had significantly(p=0.044) higher episodes of infection related complications(13.2%) than NICCNG group(3.9%), although significant number of patient received steroid alone in ICCGN.

Sub group analysis was done for patient having less than fifty percent crescents. In this group most of them (69.5%) were ICCGN and only 30% were NICCGN.

Table-54

Type of crescentic GN with < 50% crescents		Frequency	Percent
Non Immune Complex	Female	16	43.2
	Male	21	56.8
	Total	37	100
Immune Complex	Female	49	58.3
	Male	35	41.7
	Total	84	100

In both groups females outnumbered males but it was not statistically significant.

Clinical features at presentation are mention in below table

Table-55

Presenting symptoms	NICCGN	ICCGN	p value
Edema	59.5%	70.2%	0.249
Hypertension	56.8%	48.8%	0.421
Oliguria	29.7%	26.2%	0.687
Fever	29.7%	32.1%	0.792
Arthralgia	24.3%	26.2%	0.828
Uremic symptoms	13.5%	8.3%	0.510
Skin lesions	24.3%	23.2%	0.951
Gross hematuria	8.1%	8.3%	0.967
Anuria	5.4%	1.2%	0.221
Hemoptysis	`5.4%	1.2%	0.221
Frothy urine	2.7%	1.2%	0.542
Photosensitivity	5.4%	4.8%	0.881

There was no significant difference in presenting symptoms between groups with less than fifty percentage crescents. Mean age of patient in NICCGN was 48.3±13.55 years and in ICCGN group it was 37.8± 13.6 years which was statistically significant. Therefore NICCGN had older patients compared to ICCGN.

Various lab parameters at presentation and its statistical significance are mentioned below.

Table-56

Lab parameters	**NICCGN**	**ICCGN**	**p value**
Microscopic hematuria (>5RBC/HPF)	78.4%	82.1%	0.627
Dipstick protein(2+ or more)	75%	94%	***0.003***
Low C3	14.7%	58.4%	***0.000***
Low C4	2.9%	22.1%	***0.012***
Positive ASO	20%	12.5%	0.658
Positive ADNB	7.1%	23.8%	0.360
ANA positive	29.2%	69.2%	***0.023***
dsDNA positive	0%	45.9%	***0.000***
ANCA positive	44.4%	4.4%	***0.000***
Mean Hemoglobin(g/dl)	9.54± 2.7	9.8± 2.1	0.352
Serum cholesterol (mg/dl)	176± 44.9	219.4± 85	***0.041***
Triglycerides(mg/dl)	157±73	181±102	0.334
HDL(mg/dl)	39±11.7	47.3±27.5	0.179
LDL(mg/dl)	104±39.5	131±53.64	0.078
Serum albumin(g/dl)	3.35± 0.76	2.80± 0.8	***0.001***
ANCA titers	146±106.5	18±0	***0.047***
Mean creat(mg/dl)before Bx	3.9± 3.3	2.75±2.4	***0.015***
Mean eGFR before biopsy (ml/min/1.73m^2) (	32.4± 29.04	46.7± 36.77	***0.034***
Median proteinuria(mg) (IQR-25th-75th)	1494 (789-3755)	4150(1525-6575)	***0.001***

Significant (p=0.024) number of patient in ICCGN group received IMS before renal biopsy. There was no significant difference in renal biopsy finding between groups except glomerular necrosis which was common in NICCGN group.

Table-57

	NICCGN	**ICCGN**	**p value**
Received TPE	5.4%	0%	0.092
Received HD at index visit	24.3%	11.9%	0.084
Started on steroids alone after biopsy	21.6%	41.7%	***0.034***
No IMS	8.1%	7.1%	1.000
Dialysis dependent at index visit	16.2%(n=6)	7.1%(n=6)	0.184

Significant number of patients with NICCGN were started on steroid alone.

Table-58

Visit	**NICCGN**	**ICCGN**	**p value**
Index visit stage </=2	13.5%	28.6%	0.074
Index visit stage >/=3	86.5%	71.4%	0.074
Last visit stage </=2= 0	25%(n=7)	60.5%(n=29)	***0.003***
Last visit stage >/=3	75%(n=21)	39.6%(n=19)	***0.003***
Last visit stage≤ 4	85.7%	89.6%	0.718
Last visit stage5/stage 5DD	14.3%	10.4%	0.718
Last visit GFR improved(compared to index visit)	64.3%	60.4%	0.738
Last visit GFR worsened(compared to index visit)	35.7%	39.6%	0.738
Mean GFR at index GFR(ml/min/1.73m^2)	32.49±29.04	46.77±36.03	***0.034***
Mean GFR at 3rdM GFR(ml/min/1.73m^2)	47.31±27.86	73.6±33.9	***0.001***
Mean GFR at 1year GFR(ml/min/1.73m^2)	59.59±24.04	76.32±32.50	0.081
GFR at 5year GFR(ml/min/1.73m^2)	21.0	47.33±32.28	0.617
Mean GFR at last visit GFR(ml/min/1.73m^2)	45.6±28.3	68.1±38.8	***0.011***

Mean GFR at index visit and at third month were lower in NICCGN group compared to ICCGN.

ICCGN group had higher proteinuria at presentation than NICCGN. At last follow up 19% 0f patient in NICCGN and 20.5% of patient in ICCGN group had complete remission of proteinuria, which was not statistically significant between groups. Infective complications were slightly more in ICCGN group than NICCGN but not statistically significant (p=0.056)

Dialysis requirement at discharge was the hard outcome of this study. So predictors of dialysis dependency (DD) at discharge were analyzed. Demographic, clinical and biochemical parameters of these two groups of patients are mentioned below table.

Figure-17

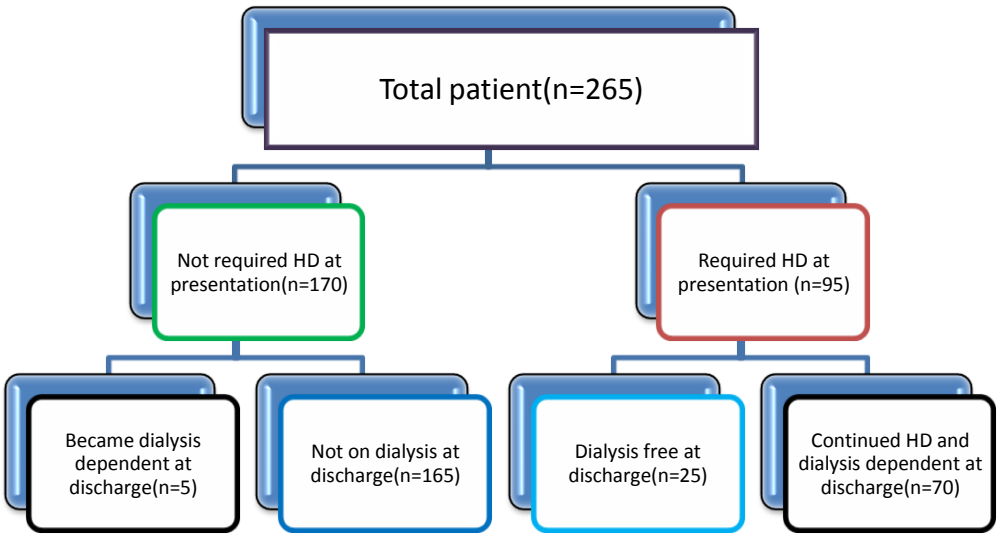


Table-59

Findings	**Non DD**	**DD**	**P value**
F:M	1.47:1.0	1.02:1.0	0.192
Mean age	40.4±14.4	39.4±14.1	0.618
Oliguria	27.9%	76%	***0.000***
Anuria	2.6%	22.7%	***0.000***
Gross Hematuria	11.6%	9.3%	0.598
Skin lesions	19.5%	10.7%	0.085
Uremic symptoms	13.2%	58.7%	***0.000***
Edema	72.5%	27.5%	0.653
Fever	30%	34.7%	0.461
Arthralgia	23.2%	13.3%	0.074
Hemoptysis	3.2%	9.2%	***0.036***
Hypertension	51.1%	58.7%	0.263
Proteinuric	98.4%	97.1%	0.506
Dyslipidemia	68.3%	71.8%	0.676
Low C3	43.3%	48.6%	0.447
Low C4	13.9%	12.5%	0.771
ANA positive	44.2%	23.5%	***0.003***
dsDNA positive	19.4%	5.2%	0.190
ANCA	28%	23%	0.458
IMS before biopsy	25.8%	24%	0.736
Diabetes	9.5%	6.7%	0.465
Hb < 9 g/dl	40.5%	69.3%	***0.000***
Platelets(lakhs /mm)	2.3±1.1	2.01±1.2	***0.010***
Urine RBC(>5/HPF)	85.8%	92%	0.168
Dipstick positive(≥2+)	91.1%	91.4%	0.925
Sr.cholesterol (mg/dl)	212±84	189± 45	0.207
Serum albumin(g/dl)	2.9±0.7	2.9±0.7	0.386
MDRD eGFR<15	30.7%	97.3%	***0.000***
eGFR at index visit	34±30ml/min	6.8±4.9ml/min	***0.000***
Proteinuria at index	4101±2878	4251±2878	0.378

Renal biopsy findings of these two groups are mentioned below.

Table-60

Biopsy findings	**Non DD**	**DD**	**P values**
No of crescents	3.64±2.8	5.92±3.4	***0.000***
Crescentic percentage	42±26.5	72.9±22.9	***0.000***
Cellular crescents	36.8%	25.3%	0.074
>60% Crescents	26.3%	68%	***0.000***
ICCGN	65.8%	36%	***0.000***
NICCGN	34.2%	64%	***0.000***
Mesangialproliferation	62.1%	33.3%	***0.000***
Endocapillaryproliferation	85.8%	81.3%	0.354
Neutrophilic infiltration	51.6%	41.3%	0.133
Glomerular tuft necrosis	22.6%	18.7%	0.474
Hyaline thrombi	1.6%	1.3%	1.000
Vascular necrosis	0.5%	5.3%	***0.024***
Moderate/severe IFTA	22.6%	56%	***0.000***
Arteriolar/arteriosclerosis	65.8%	57.3%	0.198

In the above univarient analysis showed patient with Hb< 9 g/dl, hemoptysis at presentation, eGFR < 15 ml/min at presentation, > 60% crescents, vascular necrosis, moderate to severe interstitial fibrosis and tubular atrophy in renal biopsy were significant risk factor dialysis dependency at discharge. 4.7% patient in NonDD group and 14.7% of patient in DD group received plasma exchange which was statistically significant (p=0.006)

Multivariable logistic regression analysis for predictors of dialysis dependency at discharge was evaluated and its results are shown in the below table.

Table-61

Variable at index visit	**P value**	**Odds ratio with 95% CI**
Oliguria	***0.005***	***3.289(1.432-7.555)***
Hb < 9 g/dl	***0.023***	***2.533(1.139-5.634)***
Index visit eGFR <15ml/min	***0.000***	***28.328(6.286-127.6)***
Crescent > 60%	***0.002***	***3.479(1.592-7.605)***
Vascular necrosis	0.261	4.033(0.354-45.932)
Moderate to severe IFTA	***0.021***	***2.499(1.151-5.426)***
IF type	0.186	0.581(0.26-1.298)

Oliguria at presentation, Hb< 9 g/dl, index visit eGFR <15 ml/min, crescents > 60%, moderate to severe interstitial fibrosis in renal biopsy were independent risk factors dialysis dependency at index visit discharge.

DISCUSSION

The commonest type of crescentic glomerulonephritis in our study was immune complex GN with Lupus nephritis being the most common cause accounting for 26% of total cohort. Next to lupus, pauci immune ANCA negative glomerulonephritis accounts for 18.9% of patients. It differs from study by Jennette et al[1] from USA and Gupta et al[9] from India which showed pauci immune crescentic glomerulonephritis predominance where Gupta et al included only patients with > 50% crescents. Men were commonly affected than women in most of the studies.[1,9,10]But in our study females outnumbered males not only in immune complex CGN but also in NICCGN and in whole cohort which suggested female predominance was not because of lupus dominance alone . Most common diagnosis by IF finding was immune complex type (N=152), followed by pauci immune and then linear deposit disease. Among the immune complex type most common disease was lupus nephritis (n=69). Study from china by Tang et al [10] also showed predominant immune complex type of CGN with lupus predominance. Gupta et al[9] from All India Institute Of Medical Sciences, India, reported no case of anti GBM disease in their study cohort, but in our study sixteen cases of anti GBM disease and six cases of dual positive diseases (Anti GBM with ANCA positive) were documented which showed this is not an uncommon entity, consistent with study by Sharma et al from SGPGI Lucknow, which documented eighteen cases of anti GBM disease over a period of 2 years.

Mean age of patients in our study was 40.14 ± 14.34 years, which is lesser than study by Jennette et al[1](47± 19.3 years). Edema was the commonest presenting symptom in our study. Hypertension was present in 53% of patients at presentation. Microscopic hematuria (87.4%) and proteinuria (98.1%) were common abnormalities noted. Study by Tang et al[10] showed 45.3% patients presented with nephrotic syndrome. In our study nephrotic range of proteinuria was present in 52.5% patients**.** ANA was nonspecifically positive in patients (n=16) other than lupus nephritis in our study. Pan et al[56] reported ANCA positivity in lupus patient. In our study also we have documented lupus patient with ANCA positivity (n=4).

Predominant type of crescents in our study was fibrocellular crescent (45.3%), could be due to late presentation. Half of our patient had only focal interstitial fibrosis and one fourth had severe interstitial fibrosis and tubular atrophy. 7.5% (n=20) patient received plasma exchange. Among the total patient of anti GBM disease (n=22) only eight patient received plasma exchange, rest of them not received because of late presentation. Patient with vasculitis also received TPE (n= 11) for renal indications (n=9) and for diffuse alveolar hemorrhage (n=3). Mean creatinine at presentation was 5.15± 4.04 mg% with median eGFR of 27.02(2-127). 48.3% of our study cohort presented with eGFR < 15ml/min which showed severe renal disease at presentation. 28% (n=75) of our study cohort were dialysis dependent at index visit. During follow up at last visit (n=133) when compared to index visit eGFR, 88 (66.16%) patient showed improvement in GFR. Mean proteinuria at presentation was 4.14± 3.39 grams per day. In Jennette study mean

proteinuria was 2.65 grams[1] which was lesser than our study cohort. Totally proteinuria data was available at last visit in 116 patients. Among these 44.8% had complete remission, 24.1 %had partial remission and 28.3 %had worsening proteinuria.

Totally 51 events of complications occurred during the course. Most common complication was neutropenia (n=14) followed by infection (n=13). Totally eleven 'in hospital death' were documented (six at index visit, 5 during follow up). Most common cause of documented death was sepsis (54.5%).

ICCGN patients were younger than NICCGN group (p=<0.05). Study by Jennette et al also showed immune complex CGN were younger than NICCGN. Anuria, hemoptysis and uremic symptoms were more common in non immune complex type of crescentic GN than ICCGN in our study. Our study showed NICCGN had less extra renal manifestations except hemoptysis (p<0.005). Tang et al[10]also showed lesser uremia in ICCGN than NICCGN. NICCGN type received empirical steroids before biopsy less likely than ICCGN type.

Serologically low C3, low C4, positive ANA, positive dsDNA were more common in ICCGN as expected. Low complements were also seen in some of the NICCG (23%) could be due to associated sepsis, malnutrition, liver disease in few of these patient. Even though ANCA was positive in ICCGN group (5.8%) their titers were significantly lower than NICCGN and most of them had p-ANCA which could be nonspecific. NICCGN group presented with greater degrees of renal failure with significantly lesser eGFR at presentation and more number of patient required

dialysis before biopsy than ICCGN. Patients with immune complex type crescentic GN presented with higher proteinuria than NICGN (p=0.001). They also had lesser serum albumin, higher cholesterol, triglycerides, and LDL than non immune type which could be explained as the result of higher proteinuria. Jennette et al[1] also noted in their study that ICCGN patient presented with more proteinuria and lesser degrees of renal failure than NICCGN. Hemoglobin was lower in NICCGN group probably because of associated hemoptysis.

In renal biopsy total number of crescents, total percentage of crescents and number of sclerosed glomeruli were significantly more in NICCGN consistent with study by Jennette et al[1]. In histology mesangial proliferation, endocapillary proliferation, neutrophilic infiltration, hyaline thrombi were significantly more in ICCGN than NICCGN (P=<0.05). Glomerular necrosis and sever interstitial fibrosis were common in NICCGN type than ICCGN (p<0.05).

At index visit discharge significantly more patients in NICCGN group were dialysis dependent (p=0.00). All except one with anti GBM disease were dialysis dependent at discharge. During index visit, follow up at 3 months, one year and at last follow up eGFR were significantly lower in NICCGN than ICCGN. Fifth year eGFR was not significantly different between groups may be because of very few numbers. Among the documented in hospital deaths (n=11) six were due to sepsis and were from ICCGN type.

Sub group analysis was done for patients having more than 50% crescent (76 in NICC+68 in ICCGN=144) in both groups. In both groups, females outnumbered

males. Mean age of patients in non immune complex group was 41.67± 14.57 and in immune complex group was 36.8± 13.5 years which dint show statistically significant difference(p=0.051). Anuria and hemoptysis were common in NICCGN with > 50% crescents than ICCGN with > 50% crescents.

Patients with NICCGN with > 50%crescents presented with higher creatinine with low eGFR, lower hemoglobin than immune complex type (ICCGN) at presentation. Patients with ICCGN with > 50% crescents presented with higher proteinuria with lesser serum albumin and higher triglycerides than non immune type.

Crescentic percentages were higher in NICCGN. Glomerular tuft necrosis was common in NICCGN with > 50% crescents than ICCGN > 50% crescents. Proliferative lesions and neutrophilic infiltrations were common in ICCGN than NICCGN with > 50% crescents. Vascular lesions and severe interstitial fibrosis were not significantly different between two groups.

Significantly higher percentage of patient in NICCGN group received plasma exchange and dialysis during index visit. More of the NICCGN group patients were dialysis dependent at discharge during index visit. Steroid alone was started in ICCGN with > 50% crescents group in significant number of patient than NICCGN with > 50% crescents Mean GFR at index visit and at third month were lower in NICCGN group compared to ICCGN. But this was not different during first year, fifth year and at last visit. During follow up 26.3% of patient in NICCGN group and 16% of patient in ICCGN group attained proteinuric remission, but which was not

statistically significant between groups.

During follow up ICCGN group patient had significantly(p=0.044) higher episodes of infection related complications(13.2%) than NICCNG group(3.9%), although significant number of patient received steroid alone in ICCGN. Diabetics were equally predisposed to have either ICCGN or NICCGN irrespective of the percentage of crescents.

Sub group analysis in patient with less than fifty percent crescents in NICCGN and in ICCGN group showed except age no clinical features at presentation were significantly different between groups. As in patient with more than 50% crescents, patient with less than 50% crescents also showed significant serological difference in complement levels and autoantibody titers between groups as expected. There was no significant difference in renal biopsy finding between groups except glomerular necrosis which was common in NICCGN group with < 50% crescents. As in patient with more than 50% crescents, NICCGN with less than 50% crescents also showed lower eGFR than ICCGN at index visit, at third month and at last visit. Dialysis requirement and dialysis dependency at index visit were not different between groups with less than 50% crescents. As in patient with more than 50% crescents, ICCGN with less than 50% crescents also showed higher proteinuria at index visit than NICCGN. But proteinuric remission didn’t show statistically significant difference at last visit between groups. Episodes of infective complications were not different between groups.

Multivariable logistic regression analysis for predictors of dialysis dependency at discharge showed Oliguria at presentation, Hb< 9 g/dl with hemoptysis, index visit eGFR<15 ml/min, crescents > 60%, moderate to severe interstitial fibrosis in renal biopsy were independent risk factors for dialysis dependency at index visit discharge.

CONCLUSIONS

1. Immune complex crescentic glomerulonephritis was the commonest type with lupus nephritis being the commonest cause of crescentic glomerulonephritis.
2. Nephrotic range of proteinuria and severe renal failure were seen in half of the patients.
3. Anti GBM disease patients were mostly dialysis dependent at discharge.
4. Neutropenia was the commonest complication.
5. Sepsis was the commonest cause of death.
6. When compared to Immune complex crescentic GN(ICCGN) patients Non immune complex crescentic GN(NICCGN) patients were older, anuric and had less extra renal manifestation except hemoptysis, lesser proteinuria, severe renal failure and more glomerular necrosis and severe IFTA in biopsy at presentation.
7. More NICCGN patients became dialysis dependent at index visit.
8. When patients with > 50% crescents in ICCGN and NICCGN were compared similar results were seen except that infective complications and proliferative lesions in renal biopsy were more in ICCGN.
9. When patients with <50% crescents in ICCGN and NICCGN were compared similar findings were seen except that no difference was seen in clinical features and dialysis dependency between them.
10. Oliguria at presentation, Hb< 9 g/dl with hemoptysis, index visit eGFR<15 ml/min, crescents > 60%, moderate to severe interstitial fibrosis in renal biopsy were independent risk factors for dialysis dependency at index visit discharge.

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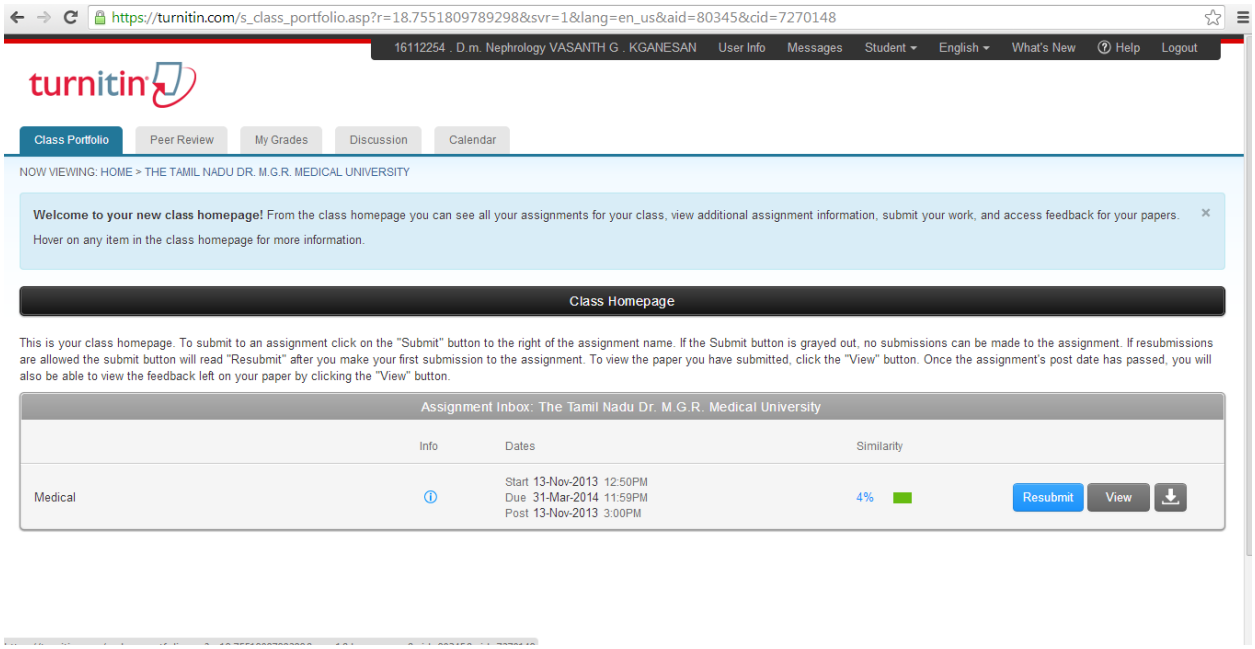
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Dr. Nihal Thomas,
MD., MNAMS., DNB (Endo), FRACP (Endo), FRCP (Glas) (EDIN)
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Secretary, Ethics Committee, IRB
Additional Vice Principal (Research)

November 16, 2013

Dr. G. Vasanth
PG Registrar
Department of Nephrology
Christian Medical College
Vellore 632 002

Sub: **Fluid Research grant project:**
An Observational Cohort Study of Clinicopathological Features and Outcomes of Crescentic Glomerulonephritis (CGN).
Dr. G. Vasanth, Senior PG Registrar, Nephrology, Dr. V. Tamilarasi, Dr. Suceena Alexander, Dr. Shibu Jacob, Dr. Santosh Varughese, Nephrology, Dr. Anila Korula, Pathology.

Ref: IRB Min. No. 8553 dated 12.11.2013

Dear Dr. G. Vasanth,

I enclose the following documents: 1. Institutional Review Board approval 2. Agreement

Could you please sign the agreement and send it to Dr. Nihal Thomas, Addl. Vice Principal (Research), so that the grant money can be released.

With best wishes,

Dr. Alfred Job Daniel
Chairperson & Principal (Research Committee)
Institutional Review Board

Chairperson (Research Committee) & Principal
Christian Medical College
Vellore - 632 002, Tamil Nadu, India

CC: Dr. V. Tamilarasi, Nephrology, CMC.

Ethics Committee Blue, Office of Research, 1st Floor, Carman Block, Christian Medical College, Vellore, Tamil Nadu 632 002.
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Dr. Anila Korula, Pathology.

Ref: IRB Min. No. 8553 dated 12.11.2013

Dear Dr. G. Vasanth,

The Institutional Review Board (Blue, Research and Ethics Committee) of the Christian Medical College, Vellore, reviewed and discussed your project entitled "An Observational Cohort Study of Clinicopathological Features and Outcomes of Crescentic Glomerulonephritis (CGN)." on November 12th 2013.

The Committees reviewed the following documents:

1. IRB application format
2. Curriculum Vitae' of Dr. G. Vasanth, Dr. V. Tamilarasi, Dr. Suceena Alexander, Dr. Shibu Jacob, Dr. Santosh Varughese, Dr. Anila Korula
3. No of documents 1-2

The following Institutional Review Board (Blue, Research & Ethics Committee) members were present at the meeting held on November 12th 2013 in the CREST/SACN Conference Room, Christian Medical College, Bagayam, Vellore 632002.

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Additional Vice Principal (Research)

Name	Qualification	Designation	Other Affiliations
Dr. Simon Rajaratnam	MBBS, MD, DNB (Endo), MNAMS (Endo), PhD (Endo), FRACP	Professor, Endocrinology, CMCH.	Internal, Clinician
Dr. T. Balamugesh	MBBS, MD(Int Med), DM, FCCP (USA)	Professor, Pulmonary Medicine, CMCH.	Internal, Clinician
Dr. Chandra Singh	MS, MCH, DMB	Professor, Urology, CMCH.	Internal, Clinician
Dr. Visalakshi	MPH, PhD	Lecturer, Dept. of Biostatistics, CMC.	Internal, Statistician
Dr. Benjamin Perakath	MBBS, MS, FRCS	Professor, Colorectal Surgery, CMCH.	Internal, Clinician
Dr. Anup Ramachandran	Ph. D	The Wellcome Trust Research Laboratory Gastrointestinal Sciences, CMCH.	Internal, Basic Medical Scientist
Dr. Mathew Joseph	MBBS, MCH	Professor, Neurosurgery, CMCH.	Internal, Clinician
Dr. Rajesh Kannangai	MD, Ph D.	Professor & In-charge Retrovirus Laboratory (NRL under NACO), Department of Clinical Virology, CMCH.	Internal, Clinician
Mrs. Pattabiraman	B. Sc, DSSA	Social Worker, Vellore	External, Lay person
Mr. C. Sampath	B. Sc, BL	Legal Expert, Vellore	External, Legal Expert
Rev. Joseph Devaraj	B. Sc, BD	Chaplaincy Department, CMCH.	Internal, Social Scientist

Ethics Committee Blue, Office of Research, 1st Floor, Carman Block, Christian Medical College, Vellore, Tamil Nadu 632 002.
Tel : 0416 - 2284294, 2284202 Fax : 0416 - 2262788, 2284481 E-mail : research@cmcvellore.ac.in

Dr. B.J. Prashantham, M.A., M.A., Dr. Min (Clinical)
Director, Christian Counseling Center,
Chairperson, Ethics Committee.

Dr. Alfred Job Daniel, D Ortho, MS Ortho, DNB Ortho
Chairperson, Research Committee & Principal

Dr. Nihal Thomas,
MD., MNAMS., DNB (Endo), FRACP (Endo), FRCP (Glas) (EDIN)
Deputy Chairperson
Secretary, Ethics Committee, IRB
Additional Vice Principal (Research)

Dr. Vathsala Sadan	M.Sc, PhD	Professor, Community Health Nursing, CMCH.	Internal, Nurse
Dr. Ebenezer Ellen Benjamin	M.Sc, PhD	Professor, Maternity Nursing, CMCH.	Internal, Nurse
Dr. B. J. Prashantham	MA(Counseling Psychology), MA(Theology), Dr. Min (Clinical Counselling)	Chairperson, Ethics Committee, IRB. Director, Christian Counseling Centre, Vellore	External, Social Scientist
Dr. Anuradha Rose	MBBS, MD	Assistant Professor, Community Health, CMCH.	Internal, Clinician
Dr. Jayaprakash Muliyil	B. Sc, MBBS, MD, MPH, Dr(PH) (Epid), DI	Retired Professor, Vellore	External, Scientist & Epidemiologist
Mr. Samuel Abraham	MA, PGDBA, PGDPM, M. Phil, BL	Sr. Legal Officer, CMCH.	Internal, Legal Expert
Dr. Nihal Thomas,	MD, MNAMS, DNB(Endo), FRACP(Endo) FRCP(Edin) FRCP (Glasg)	Professor & Head, Endocrinology. Additional Vice Principal (Research), CMCH. Deputy Chairperson, IRB, Member Secretary (Ethics Committee), IRB	Internal, Clinician

We approve the project to be conducted as presented.

Ethics Committee Blue, Office of Research, 1st Floor, Carman Block, Christian Medical College, Vellore, Tamil Nadu 632 002.
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MD., MNAMS., DNB (Endo), FRACP (Endo), FRCP (Glas) (EDIN)
Deputy Chairperson
Secretary, Ethics Committee, IRB
Additional Vice Principal (Research)

The Institutional Ethics Committee expects to be informed about the progress of the project, any **adverse events** occurring in the course of the project, any **amendments in the protocol and the patient information / informed consent**. On completion of the study you are expected to submit a copy of the **final report**. Respective forms can be downloaded from the following link: http://172.16.11.136/Research/IRB_Polices.html in the CMC Intranet and in the CMC website link address: http://www.cmch-vellore.edu/static/research/Index.html.

Fluid Grant Allocation:

A sum of 2,400 INR (Rupees Two Thousand Four Hundred Only) will be granted for 4 months.

Yours sincerely

Dr. Alfred Job Daniel
Chairperson & Principal (Research Committee)
Institutional Review Board

Chairperson (Research Committee) & Principal
Christian Medical College
Vellore - 632 002, Tamil Nadu, India

CC: Dr. V. Tamilarasi, Nephrology, CMC.

Ethics Committee Blue, Office of Research, 1st Floor, Carman Block, Christian Medical College, Vellore, Tamil Nadu 632 002.
Tel : 0416 - 2284294, 2284202 Fax : 0416 - 2262788, 2284481 E-mail : research@cmcvellore.ac.in

STUDYNO	Name	H.N	AGE	Gender	D.O.D	D.O.L.F	Total.M.O.F	Diagnosis	OLIGURIA	ANURIA
1	KUMARKRS	956003D	64	1.00	11-Jun-2011	13-Nov-2011	5	2.00	2.00	2.00
2	DEVENDRA	856166D	50	1.00	30-Jun-2011	11-Jul-2011	1	13.00	1.00	2.00
3	VARADHAR	967884D	34	1.00	04-Jun-2011	10-Sep-2011	3	3.00	1.00	2.00
4	PHILICIA	972500D	18	2.00	01-Aug-2011	21-Jan-2013	17	6.00	2.00	2.00
5	TAMILSEL	982005D	31	2.00	10-Aug-2011	22-Nov-2013	28	4.00	2.00	2.00
6	SUBRATAM	983735D	23	1.00	21-Apr-2011	24-Aug-2011	#NULL!	4.00	2.00	2.00
7	SANGAICH	016150F	29	2.00	06-Sep-2011	18-Sep-2011	#NULL!	4.00	1.00	2.00
8	SHYAMSUN	016496F	68	1.00	06-Sep-2011	16-Jul-2013	#NULL!	2.00	2.00	2.00
9	RAMADEVI	025443F	41	2.00	16-Sep-2011	12-Aug-2013	#NULL!	4.00	2.00	2.00
10	JARINABE	035839F	42	2.00	21-Sep-2011	05-Oct-2011	#NULL!	2.00	1.00	2.00
11	DONGAMLO	035237F	22	2.00	21-Sep-2011	10-Aug-2012	#NULL!	4.00	1.00	2.00
12	FAREENA	547216D	54	1.00	28-Sep-2011	08-Jul-2013	#NULL!	2.00	2.00	2.00
13	PIYUSHJH	039020F	33	1.00	02-Oct-2011	23-Aug-2013	#NULL!	5.00	2.00	2.00
14	GOBIND	043542F	58	1.00	10-Oct-2011	21-Nov-2011	#NULL!	2.00	2.00	2.00
15	TAPISHA	499685D	52	2.00	24-Oct-2011	28-Oct-2011	#NULL!	3.00	2.00	2.00
16	RUKMANI	061349F	71	2.00	21-Oct-2011	20-Oct-2012	#NULL!	7.00	1.00	2.00
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18	SARAMOMO	061628F	42	2.00	05-Nov-2011	22-May-2011	#NULL!	2.00	2.00	2.00
19	HARILAL	047377F	47	1.00	31-Oct-2011	05-Dec-2011	#NULL!	15.00	2.00	2.00
20	ANBURAJA	960117D	39	1.00	11-Nov-2011	03-Jul-2012	#NULL!	5.00	1.00	2.00
21	ABDULALI	801149D	31	1.00	11-Nov-2011	30-Sep-2013	#NULL!	4.00	2.00	2.00
22	KATURUSR	045898F	25	2.00	11-Nov-2011	07-Dec-2012	#NULL!	6.00	2.00	2.00
23	LAKHIAMO	071752F	32	2.00	18-Nov-2011	12-Mar-2012	#NULL!	4.00	2.00	2.00
24	JOHN	938932C	70	1.00	20-Nov-2011	13-Jul-2012	#NULL!	3.00	2.00	2.00
25	KARNADAS	074263F	36	2.00	21-Nov-2011	10-Dec-2013	#NULL!	7.00	2.00	2.00
26	MALADEVI	079533F	50	2.00	21-Nov-2011	20-Mar-2012	#NULL!	5.00	2.00	2.00
27	VALSAMMA	081834F	51	2.00	20-Nov-2011	09-Mar-2012	#NULL!	7.00	2.00	2.00
28	LAKSHMI	077490F	60	2.00	26-Nov-2011	13-Jul-2012	#NULL!	3.00	1.00	2.00
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30	ASOKKUMA	061986F	51	1.00	29-Nov-2011	25-Nov-2012	#NULL!	3.00	2.00	2.00
31	SRIAJIT	077597F	40	1.00	06-Dec-2011	17-Dec-2011	#NULL!	3.00	1.00	2.00
32	RANI	092898F	45	2.00	01-Dec-2011	19-Jan-2012	#NULL!	4.00	2.00	2.00
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34	MDALF	093408F	46	1.00	21-Dec-2011	26-Mar-2013	#NULL!	5.00	2.00	2.00
35	LAKSHMID	096973F	57	2.00	22-Dec-2011	28-Dec-2011	#NULL!	3.00	1.00	2.00

36	SHIBANIM	095444F	47	2.00	16-Dec-2011	07-Jan-2012	#NULL!	15.00	1.00	2.00
37	VIMALADE	097682F	24	2.00	27-Dec-2011	17-Jan-2012	#NULL!	4.00	2.00	2.00
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39	DURGESH	458544D*	21	1.00	30-Dec-2011	01-Aug-2012	#NULL!	5.00	2.00	2.00
40	SHASISON	101061F	21	2.00	03-Jan-2012	15-Jan-2012	#NULL!	1.00	1.00	2.00
41	SIBA	114133F	23	1.00	13-Jan-2012	02-Feb-2012	#NULL!	5.00	2.00	2.00
42	MALTIDEV	111873F	50	2.00	09-Jan-2012	11-Mar-2012	#NULL!	5.00	1.00	2.00
43	TASHIMA	112547F	27	2.00	16-Jan-2012	10-Feb-2012	#NULL!	4.00	1.00	2.00
44	ANNAKILI	107515F	50	2.00	24-Jan-2012	27-Mar-2012	#NULL!	7.00	2.00	2.00
45	JAYANTHI	119114F	28	2.00	24-Jan-2012	04-Feb-2012	#NULL!	4.00	1.00	2.00
46	NATHSHON	641933D	19	2.00	25-Jan-2012	27-Dec-2012	#NULL!	4.00	2.00	2.00
47	SHREEPRA	134616F	61	1.00	27-Feb-2012	08-Mar-2012	#NULL!	5.00	2.00	2.00
48	SUKUMAR	137880F	57	1.00	14-Feb-2012	28-Feb-2012	#NULL!	2.00	2.00	2.00
49	LAKSHMIM	071752F	30	2.00	02-Mar-2012	13-Mar-2012	#NULL!	4.00	1.00	2.00
50	MAUTATIK	739927D	22	2.00	28-Feb-2012	04-Nov-2013	#NULL!	4.00	2.00	2.00
51	ASOKKUMA	153718F	43	1.00	02-Feb-2012	12-Mar-2012	#NULL!	3.00	1.00	2.00
52	VISHVAKA	139322F	56	1.00	01-Mar-2012	15-Aug-2012	#NULL!	2.00	2.00	2.00
53	RAKESHBA	149066F	27	1.00	29-Mar-2012	27-Apr-2012	#NULL!	1.00	1.00	2.00
54	UTAKALAM	156587F	53	2.00	19-Mar-2012	26-Mar-2012	#NULL!	4.00	1.00	2.00
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56	BABITA	155403F	20	2.00	15-Mar-2012	09-Apr-2012	#NULL!	4.00	1.00	1.00
57	YANSATHU	557610D	44	1.00	16-Mar-2012	09-Jul-2013	#NULL!	4.00	1.00	2.00
58	PALANI	048261D	47	1.00	10-Apr-2012	06-Dec-2013	#NULL!	5.00	1.00	2.00
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61	KAMALINI	042209C	49	2.00	07-Apr-2012	20-May-2012	#NULL!	4.00	1.00	2.00
62	MERCY	569880D	29	2.00	30-Apr-2012	02-Aug-2012	#NULL!	4.00	2.00	2.00
63	SURENDRA	214867F	64	1.00	29-May-2012	26-Jun-2012	#NULL!	2.00	2.00	2.00
64	SONIAGAN	193437F	22	2.00	04-Jun-2012	24-Jun-2012	#NULL!	5.00	2.00	2.00
65	ANITASAH	217210F	34	2.00	05-Jun-2012	25-Sep-2013	#NULL!	5.00	2.00	2.00
66	MAHANGIL	217662F	44	1.00	06-Jun-2012	12-Jul-2013	#NULL!	2.00	2.00	2.00
67	SHYAMSUN	220298F	28	1.00	12-Jun-2012	20-Dec-2012	#NULL!	5.00	2.00	2.00
68	LAXMIDEV	210153F	53	2.00	29-May-2012	18-Jun-2012	#NULL!	2.00	2.00	2.00
69	JARINADE	215470F	46	2.00	11-Jun-2012	08-Oct-2012	#NULL!	3.00	2.00	2.00
70	SURYAKUM	206251F	19	1.00	13-Jun-2012	20-Sep-2013	#NULL!	5.00	2.00	2.00
71	ASHRAGMA	206541F	33	1.00	15-Jun-2012	28-Nov-2013	#NULL!	4.00	2.00	2.00

72	PUSPHADE	221502F	29	2.00	28-Jun-2012	04-Jul-2012	#NULL!	4.00	1.00	2.00
73	SHARMINA	230662F	32	2.00	30-Jun-2012	01-Apr-2013	#NULL!	11.00	2.00	2.00
74	KANCHAN	222915F	36	1.00	25-Jun-2012	17-Jul-2012	#NULL!	2.00	1.00	1.00
75	DANIJHON	223587F	40	2.00	27-Jun-2012	31-Oct-2013	#NULL!	4.00	2.00	2.00
76	SARSAIL	227962F	22	2.00	02-Jul-2012	11-Sep-2013	#NULL!	4.00	2.00	2.00
77	SHIKA	251834F	50	2.00	23-Jul-2012	03-Aug-2012	#NULL!	2.00	2.00	2.00
78	SACHINAT	240907F	19	2.00	21-Jul-2012	15-Jul-2013	#NULL!	1.00	1.00	1.00
79	ANAND	251159F	36	1.00	27-Jul-2012	02-Aug-2012	#NULL!	5.00	2.00	2.00
80	SAKKUBAI	929057D	62	2.00	07-Aug-2012	04-Jun-2013	#NULL!	7.00	2.00	2.00
81	DHASARAD	249354F	30	1.00	20-Jul-2012	20-Aug-2012	#NULL!	7.00	1.00	2.00
82	LALMATIS	253092F	56	2.00	21-Aug-2012	25-Nov-2012	#NULL!	2.00	2.00	2.00
83	GURU	259405F	19	1.00	07-Aug-2012	21-Nov-2013	#NULL!	7.00	1.00	1.00
84	PREMA	263231F	21	2.00	01-Sep-2012	10-Sep-2012	#NULL!	4.00	1.00	1.00
85	RIYABHAT	291386F	20	2.00	07-Sep-2012	04-Oct-2013	#NULL!	2.00	1.00	2.00
86	PINKY	278422F	32	2.00	12-Sep-2012	10-Dec-2013	#NULL!	4.00	2.00	2.00
87	PUSPHA	290923F	33	2.00	22-Sep-2012	12-Oct-2012	#NULL!	1.00	1.00	2.00
88	MAHABIR	305532F	41	1.00	02-Oct-2012	01-Jul-2013	#NULL!	5.00	2.00	2.00
89	NANDHA	284761F	37	1.00	19-Oct-2012	06-Nov-2013	#NULL!	3.00	2.00	2.00
90	BIJAY	320737F	38	1.00	19-Oct-2012	20-Oct-2012	#NULL!	5.00	2.00	2.00
91	MANAMMAL	320638F	61	2.00	20-Oct-2012	05-Dec-2012	#NULL!	7.00	1.00	2.00
92	LATIYA	317711F	26	2.00	23-Oct-2012	02-Sep-2013	#NULL!	2.00	2.00	2.00
93	MAGESWAR	488156B	51	2.00	26-Oct-2012	26-Dec-2012	#NULL!	4.00	1.00	2.00
94	FATHIMA	339052F	36	2.00	13-Nov-2012	01-Jul-2013	#NULL!	4.00	2.00	2.00
95	MOSAMIBI	338586F	39	2.00	11-Nov-2012	04-Sep-2013	#NULL!	4.00	1.00	2.00
96	USHA	348876F	26	2.00	19-Nov-2012	28-Feb-2013	#NULL!	6.00	2.00	2.00
97	SANGEETH	345014F	21	2.00	26-Nov-2012	22-Nov-2013	#NULL!	7.00	1.00	2.00
98	TOBYJOSE	341225F	21	1.00	16-Nov-2012	10-Oct-2013	#NULL!	3.00	2.00	2.00
99	SABITADE	354504F	62	2.00	25-Nov-2012	20-Dec-2013	#NULL!	3.00	1.00	1.00
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101	JAGAN	367615F	22	1.00	19-Dec-2012	25-Dec-2012	#NULL!	1.00	1.00	2.00
102	SUNILKUM	627200D	30	1.00	04-Feb-2010	07-Sep-2010	#NULL!	5.00	2.00	2.00
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107	PRASANNA	640564D	27	2.00	03-Mar-2010	22-Oct-2010	#NULL!	4.00	2.00	2.00

108	VIJAY	643508D	36	1.00	05-Mar-2010	22-Mar-2010	#NULL!	1.00	1.00	2.00
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111	PAVI	654100D	36	2.00	15-Mar-2010	31-Mar-2010	#NULL!	2.00	2.00	2.00
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118	KOKILA	224775D	28	2.00	03-Jun-2010	26-Dec-2013	#NULL!	5.00	2.00	2.00
119	SANTHOSH	703328D	55	1.00	31-May-2010	08-Jun-2010	#NULL!	8.00	2.00	2.00
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121	ARCHANA	663097D	58	2.00	02-Jun-2010	28-Jun-2010	#NULL!	4.00	2.00	2.00
122	BHUMKUM	709950D	45	2.00	04-Jun-2010	07-May-2013	#NULL!	3.00	1.00	1.00
123	BOOPAL	013600C	47	1.00	28-Jun-2010	24-Dec-2013	#NULL!	2.00	2.00	2.00
124	CHOTE	726461D	44	1.00	01-Jul-2010	06-Jul-2010	#NULL!	5.00	2.00	2.00
125	SHEEMA	727941D	29	2.00	06-Jul-2010	04-Mar-2012	#NULL!	1.00	2.00	2.00
126	SAJAL	022972D	37	1.00	08-Jul-2010	12-Jul-2010	#NULL!	6.00	1.00	2.00
127	BABY	749213D	35	2.00	09-Aug-2010	23-Aug-2010	#NULL!	2.00	2.00	2.00
128	BANU	753488D	26	2.00	16-Aug-2010	21-Aug-2010	#NULL!	4.00	2.00	2.00
129	CHANCHAL	755118D	46	1.00	20-Aug-2010	31-Jul-2013	#NULL!	2.00	2.00	2.00
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131	JAYAMANI	257300D	47	2.00	06-Sep-2010	20-Dec-2010	#NULL!	7.00	1.00	2.00
132	SENGOTTA	721106D	24	1.00	07-Oct-2010	16-Oct-2010	#NULL!	4.00	2.00	2.00
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135	PATTAMAL	008320C	61	2.00	29-Oct-2010	04-Feb-2011	#NULL!	2.00	2.00	2.00
136	MONGALA	816478D	41	2.00	08-Nov-2010	13-Nov-2010	#NULL!	3.00	2.00	2.00
137	PARI	813743D	35	1.00	09-Nov-2010	23-Nov-2010	#NULL!	1.00	2.00	2.00
138	AYESH	810486D	43	2.00	11-Nov-2010	26-Jul-2013	#NULL!	7.00	1.00	2.00
139	RAJESH	791308D	45	1.00	09-Nov-2010	14-Dec-2010	#NULL!	15.00	1.00	2.00
140	YAPU	845863D	29	2.00	31-Dec-2010	26-Jun-2013	#NULL!	1.00	1.00	1.00
141	GRESH	860420D	53	2.00	11-Jan-2011	17-Jan-2011	#NULL!	2.00	1.00	1.00
142	KALYANI	839380D	57	2.00	10-Jan-2011	28-Mar-2011	#NULL!	5.00	2.00	2.00
143	MALAR	853142D	47	2.00	12-Jan-2011	17-Jan-2011	#NULL!	2.00	1.00	2.00

144	MARY	610568D	64	2.00	18-Jan-2011	21-Mar-2011	#NULL!	3.00	2.00	2.00
145	SHAMSAD	033006A	52	2.00	21-Jan-2011	27-Dec-2013	#NULL!	2.00	2.00	2.00
146	RAMA	849380D	72	1.00	27-Jan-2011	03-Mar-2011	#NULL!	7.00	1.00	2.00
147	KHOKAN	778744D	43	1.00	02-Feb-2011	03-Apr-2013	#NULL!	4.00	2.00	2.00
148	SAMUEL	829708D	56	1.00	01-Feb-2011	22-Jun-2013	#NULL!	15.00	2.00	2.00
149	MILAN	868544D	21	2.00	01-Feb-2011	30-Jan-2013	#NULL!	4.00	1.00	2.00
150	MARY	443507D	24	2.00	02-Feb-2011	22-Mar-2011	#NULL!	4.00	2.00	2.00
151	JHARNA	872350D	41	2.00	03-Feb-2011	08-Jun-2011	#NULL!	4.00	2.00	2.00
152	BISWANAT	866534D	28	1.00	10-Feb-2011	13-Jul-2011	#NULL!	4.00	1.00	2.00
153	BEULA	290732B	80	2.00	14-Feb-2011	26-Jun-2011	#NULL!	2.00	2.00	2.00
154	ATREYEE	870997D	33	2.00	18-Feb-2011	31-Jul-2013	#NULL!	4.00	2.00	2.00
155	KAKOLI	880937D	38	2.00	22-Feb-2011	22-Feb-2011	#NULL!	4.00	2.00	2.00
156	APARNA	881630D	42	2.00	25-Feb-2011	02-Jul-2011	#NULL!	1.00	1.00	2.00
157	SUMANTRA	892814D	29	1.00	03-Mar-2011	22-Mar-2011	#NULL!	4.00	1.00	2.00
158	PANKOJ	889402D	38	1.00	16-Mar-2011	23-Oct-2013	#NULL!	1.00	2.00	2.00
159	MANGI	375764C	42	2.00	16-Mar-2011	02-Jan-2014	#NULL!	2.00	2.00	2.00
160	SANGAY	889162D	49	1.00	25-Mar-2011	02-Jan-2014	#NULL!	2.00	2.00	2.00
161	ROSE	906300D	33	2.00	29-Mar-2011	21-Apr-2011	#NULL!	1.00	1.00	2.00
162	MURUGESA	779731B	64	1.00	06-Apr-2011	06-Jan-2014	#NULL!	3.00	1.00	2.00
163	ANISH	921628D	19	1.00	26-Apr-2011	09-May-2011	#NULL!	3.00	1.00	2.00
164	ARPUDHA	922257D	28	1.00	27-Apr-2011	20-Aug-2011	#NULL!	3.00	2.00	2.00
165	ABHIMANY	916434D	31	1.00	20-May-2011	16-May-2012	#NULL!	3.00	2.00	2.00
166	REKHA	953781D	47	2.00	03-Jun-2011	05-Jun-2011	#NULL!	4.00	2.00	2.00
167	JEYANTHI	955811D	45	2.00	08-Jun-2011	21-Jun-2011	#NULL!	5.00	2.00	2.00
168	JAIKIRAN	959515D	35	1.00	21-Jun-2011	21-Dec-2013	#NULL!	5.00	2.00	2.00
169	RAHUL	970862D	19	1.00	27-Jun-2011	24-Mar-2012	#NULL!	7.00	2.00	2.00
170	ANIL	005155D	69	1.00	10-Apr-2007	23-Apr-2007	#NULL!	15.00	2.00	2.00
171	SHAKIL	011013D	29	1.00	17-Apr-2007	24-Apr-2007	#NULL!	7.00	1.00	2.00
172	MANIK	009378D	37	1.00	20-Apr-2007	28-Apr-2007	#NULL!	2.00	1.00	2.00
173	KHAGAN	006637D	69	1.00	23-Apr-2007	25-May-2007	#NULL!	4.00	2.00	2.00
174	FIRDUS	374347C	21	2.00	30-Apr-2007	10-Sep-2010	#NULL!	4.00	1.00	2.00
175	SANCHITA	014325D	29	2.00	02-May-2007	18-Mar-2010	#NULL!	4.00	2.00	2.00
176	MAHESHWA	016768D	63	1.00	01-May-2007	05-May-2007	#NULL!	15.00	2.00	2.00
177	JAMMALUD	018592D	52	1.00	08-May-2007	14-May-2007	#NULL!	3.00	1.00	1.00
178	THILAGAN	701201A	49	2.00	11-May-2007	14-Aug-2007	#NULL!	2.00	2.00	2.00
179	YASODHA	013467A	30	2.00	11-May-2007	17-Jul-2007	#NULL!	4.00	1.00	2.00

180	JYOTSNA	022876D	42	2.00	14-May-2007	18-Jun-2007	#NULL!	15.00	2.00	2.00
181	BINTIKA	037469D	37	2.00	07-Jun-2007	03-Sep-2013	#NULL!	4.00	2.00	2.00
182	CHANCHLA	035229D	39	2.00	07-Jun-2007	13-Oct-2011	#NULL!	3.00	1.00	2.00
183	ELLAMA	037471D	57	2.00	08-Jun-2007	28-Jun-2007	#NULL!	7.00	1.00	2.00
184	GURU	040584D	56	1.00	15-Jun-2007	16-Jul-2007	#NULL!	15.00	1.00	2.00
185	PALANI	048261D	47	1.00	10-Jul-2007	20-Jan-2014	#NULL!	5.00	2.00	2.00
186	PALAK	063379D	19	2.00	19-Jul-2007	10-Sep-2007	#NULL!	5.00	2.00	2.00
187	SIVARAMA	075446D	66	1.00	10-Aug-2007	08-Mar-2008	#NULL!	2.00	2.00	2.00
188	DIPTI	077684D	34	2.00	13-Aug-2007	04-Oct-2007	#NULL!	3.00	2.00	2.00
189	CHORE	949287C	62	2.00	22-Aug-2007	19-Dec-2007	#NULL!	4.00	2.00	2.00
190	SAYANTAN	198408C	22	2.00	06-Sep-2007	10-Sep-2009	#NULL!	4.00	2.00	2.00
191	RAMKALI	096934D	57	2.00	25-Sep-2007	06-Oct-2007	#NULL!	2.00	2.00	2.00
192	BIJALI	108528D	54	2.00	01-Oct-2007	19-Oct-2007	#NULL!	3.00	2.00	2.00
193	SUDHA	109770D	54	2.00	03-Oct-2007	04-Mar-2008	#NULL!	7.00	1.00	2.00
194	BARATI	107553D	40	2.00	03-Oct-2007	07-Oct-2007	#NULL!	4.00	2.00	2.00
195	PUJA	119402D	21	2.00	16-Oct-2007	15-Nov-2007	#NULL!	2.00	1.00	1.00
196	BHUPAL	115611D	67	1.00	16-Oct-2007	01-Nov-2007	#NULL!	2.00	1.00	2.00
197	DULAL	116940D	39	1.00	16-Oct-2007	17-Jun-2009	#NULL!	4.00	1.00	2.00
198	ARUL	119018D	41	2.00	25-Oct-2007	23-Jan-2014	#NULL!	7.00	2.00	2.00
199	SUBRAMAN	129324D	31	1.00	06-Nov-2007	20-Jul-2008	#NULL!	5.00	2.00	2.00
200	NYME	135575D	58	2.00	22-Nov-2007	08-Jul-2013	#NULL!	7.00	1.00	1.00
201	ANAND	164406D	67	1.00	02-Jan-2008	02-Mar-2008	#NULL!	4.00	1.00	2.00
202	DHANA	162174D	35	2.00	28-Jan-2008	20-Aug-2008	#NULL!	4.00	1.00	2.00
203	PARVATHI	172747D	29	2.00	30-Jan-2008	05-Feb-2008	#NULL!	4.00	1.00	2.00
204	PARIMALA	178883D	22	2.00	05-Feb-2008	06-Feb-2014	#NULL!	4.00	2.00	2.00
205	FAROOK	179576D	37	1.00	01-Feb-2008	20-Feb-2008	#NULL!	1.00	1.00	2.00
206	NILON	142359D	39	1.00	10-May-2008	23-May-2013	#NULL!	2.00	1.00	2.00
207	MAGALAK	194165D	70	2.00	02-Mar-2008	02-Jul-2008	#NULL!	1.00	1.00	2.00
208	BHUVANES	694842C	34	2.00	05-Mar-2008	20-Aug-2012	#NULL!	6.00	2.00	2.00
209	MANASI	213062D	54	2.00	05-Apr-2008	01-Mar-2010	#NULL!	3.00	2.00	2.00
210	MARIKO	882889C	28	1.00	05-Apr-2008	05-May-2008	#NULL!	8.00	2.00	2.00
211	MANISH	206907D	20	1.00	04-Apr-2008	02-Feb-2014	#NULL!	3.00	2.00	2.00
212	MONI	207923D	25	2.00	08-Apr-2008	08-Sep-2008	#NULL!	3.00	1.00	2.00
213	VINCENT	215742D	30	1.00	24-Mar-2008	09-Jul-2009	#NULL!	5.00	2.00	2.00
214	RYMPEI	244084D	29	2.00	25-May-2008	25-Jul-2008	#NULL!	4.00	1.00	2.00
215	AYAYKUMA	261704D	36	1.00	19-Jun-2008	25-Feb-2011	#NULL!	3.00	1.00	2.00

216	ABIRAMI	265766D	33	2.00	02-Jun-2008	30-Jun-2008	#NULL!	5.00	1.00	2.00
217	KASHI	262643D	54	1.00	02-Jul-2008	16-Jul-2008	#NULL!	3.00	1.00	2.00
218	RAJEETA	257018D	27	1.00	01-Jul-2008	08-Jul-2008	#NULL!	5.00	1.00	2.00
219	SILIJA	269921D	33	2.00	31-Jul-2008	26-Aug-2008	#NULL!	14.00	1.00	2.00
220	SHANTI	286309D	47	2.00	19-Sep-2008	13-Oct-2008	#NULL!	7.00	2.00	2.00
221	ASIMA	313401D	36	2.00	23-Sep-2008	19-Aug-2013	#NULL!	7.00	1.00	2.00
222	BANDHI	311778D	77	2.00	12-Sep-2008	12-Oct-2008	#NULL!	7.00	1.00	2.00
223	BINOY	317969D	40	2.00	26-Sep-2008	02-Oct-2008	#NULL!	5.00	2.00	2.00
224	SANDHYA	235876D	36	2.00	29-Jul-2008	12-Aug-2008	#NULL!	4.00	2.00	2.00
225	NIRABASA	322900D	37	2.00	27-Sep-2008	26-Jan-2009	#NULL!	4.00	2.00	2.00
226	AMINA	323397D	25	2.00	14-Oct-2008	28-Oct-2008	#NULL!	4.00	2.00	2.00
227	MANI	319954D	25	1.00	16-Oct-2008	26-Jul-2011	#NULL!	4.00	2.00	2.00
228	SUBRAMAN	317680D	32	1.00	22-Oct-2008	08-Aug-2009	#NULL!	3.00	2.00	2.00
229	RAJKUMAR	361779D	21	1.00	26-Nov-2008	14-Feb-2009	#NULL!	8.00	2.00	2.00
230	GUNA	375021D	50	1.00	09-Dec-2008	09-Dec-2013	#NULL!	7.00	1.00	1.00
231	ASHOK	372179D	20	1.00	23-Dec-2008	30-Dec-2008	#NULL!	3.00	1.00	1.00
232	JHARNA	378198D	47	1.00	03-Dec-2008	01-Jan-2009	#NULL!	3.00	1.00	1.00
233	SHIBNARA	374095D	61	1.00	07-Jan-2009	15-Jan-2009	#NULL!	3.00	1.00	2.00
234	SHILWANT	385220D	61	1.00	19-Jan-2009	30-Sep-2011	#NULL!	2.00	2.00	2.00
235	DEBAS	391361D	22	1.00	22-Jan-2009	27-May-2009	#NULL!	6.00	2.00	2.00
236	PUNAM	388441D	46	2.00	31-Jan-2009	03-Feb-2009	#NULL!	2.00	2.00	2.00
237	RAJAWATI	417929D	50	2.00	03-Mar-2009	03-Nov-2009	#NULL!	2.00	1.00	2.00
238	MANTASIN	421868D	45	2.00	10-Mar-2009	13-Jul-2009	#NULL!	15.00	2.00	2.00
239	SABITA	437753D	30	2.00	06-Apr-2009	08-Oct-2013	#NULL!	3.00	1.00	1.00
240	ANJUKUMA	435741D	37	1.00	08-Apr-2009	08-May-2009	#NULL!	3.00	1.00	1.00
241	MEENADEV	447806D	50	2.00	05-May-2009	03-Sep-2013	#NULL!	2.00	2.00	2.00
242	JAYANTI	468020D	52	2.00	03-Jun-2009	09-Dec-2013	#NULL!	5.00	2.00	2.00
243	FARZANA	464883D	21	2.00	29-May-2009	01-Jun-2009	#NULL!	4.00	1.00	2.00
244	KAMALA D	468001D	33	2.00	05-Jun-2009	27-Mar-2011	#NULL!	3.00	1.00	2.00
245	RINKU	467001D	26	2.00	29-May-2009	12-Aug-2009	#NULL!	3.00	2.00	2.00
246	CHANDRAD	500233D	38	1.00	21-Jul-2009	17-Feb-2013	#NULL!	3.00	2.00	2.00
247	HIRAMAN	500259D	53	1.00	16-Jul-2009	31-Jul-2009	#NULL!	1.00	1.00	2.00
248	BINOD	512411D	57	2.00	31-Jul-2009	04-Sep-2009	#NULL!	14.00	1.00	1.00
249	BRAHMA	424995D	54	2.00	15-Apr-2009	18-Jan-2013	#NULL!	3.00	2.00	2.00
250	MANI	546772D	21	1.00	23-Sep-2009	13-Oct-2009	#NULL!	3.00	1.00	2.00
251	SANJAY	546444D	36	1.00	24-Sep-2009	19-Oct-2009	#NULL!	5.00	1.00	2.00

252	GURU	556285D	61	1.00	06-Oct-2009	21-Oct-2009	#NULL!	7.00	1.00	2.00
253	SUSAN	563411D	36	1.00	21-Oct-2009	10-Nov-2009	#NULL!	1.00	1.00	1.00
254	SABIN	568735D	25	2.00	23-Oct-2009	23-Nov-2009	#NULL!	15.00	1.00	2.00
255	RAJKUMAR	571566D	46	1.00	13-Nov-2009	20-Nov-2009	#NULL!	2.00	2.00	2.00
256	AHMADABB	585142D	21	1.00	20-Nov-2009	27-Nov-2009	#NULL!	6.00	2.00	2.00
257	CHANDRA	586391D	38	1.00	21-Nov-2009	03-Dec-2009	#NULL!	7.00	1.00	2.00
258	GOVIND	578682D	55	1.00	19-Nov-2009	02-Dec-2009	#NULL!	7.00	1.00	2.00
259	PREMHAND	597297D	52	1.00	21-Nov-2009	22-Dec-2009	#NULL!	3.00	1.00	2.00
260	DEBASIS	622436D	49	2.00	02-Feb-2010	12-Feb-2014	#NULL!	4.00	2.00	2.00
261	SAKTHEES	622590D	29	1.00	01-Jan-2010	02-Feb-2010	#NULL!	3.00	1.00	1.00
262	PARVATI	953843C	62	2.00	09-Jan-2007	20-Aug-2013	#NULL!	4.00	2.00	2.00
263	DHILEBA	699553C	32	2.00	02-Feb-2007	31-May-2007	#NULL!	3.00	2.00	2.00
264	SANTHI	953799C	64	2.00	23-Mar-2007	05-Feb-2014	#NULL!	2.00	2.00	2.00
265	DOLANARI	989414C	52	2.00	14-Mar-2007	24-Mar-2007	#NULL!	15.00	1.00	2.00
266	PARTHASA	985612C	38	1.00	05-Mar-2007	03-Jan-2014	#NULL!	5.00	2.00	2.00

HEMATURIA	FROTHYURI	SORETHRO/	SKINLEISON	UREMICSYMPT(	EDEMA	FEVER	ARTHRITIS	PHOTOSENSITIVI	HEMPTYSIS	HYPERTENSI
2.00	2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00
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2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
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2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00	1.00
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2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00
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2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00
1.00	2.00	2.00	1.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00
1.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	2.00	1.00
1.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	1.00	2.00	1.00	1.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	1.00

1.00	2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	1.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00
1.00	2.00	2.00	2.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	1.00	2.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	1.00	2.00	1.00	2.00	1.00	1.00	2.00	1.00
2.00	2.00	2.00	2.00	1.00	2.00	1.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	1.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	1.00	2.00	2.00	1.00
2.00	1.00	2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00
2.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00

COMORBID	SPECIFIC	FAMILIAL	HB	TLC	PLATELETS	LIPIDS	CHOLESTEF	TRIGLYCERID	LDL	HDL
8.00		2.00	8.90	14,000	540,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00		2.00	11.00	6,400	196,000	2.00	134.00	120.00	107.00	37.00
8.00		2.00	8.00	8,600	220,000	1.00	204.00	150.00	143.00	34.00
8.00		2.00	11.50	5,400	164,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	7.10	5,200	34,000	1.00	233.00	273.00	132.00	33.00
8.00		2.00	7.50	20,400	26,000	2.00	141.00	180.00	86.00	20.00
8.00		2.00	6.70	7,500	94,000	2.00	191.00	154.00	#NULL!	50.00
3.00		2.00	8.20	7,200	346,000	2.00	96.00	91.00	21.00	50.00
8.00		2.00	9.10	8,200	130,000	1.00	237.00	129.00	130.00	95.00
8.00		2.00	9.30	12,500	170,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	6.80	4,600	78,000	1.00	203.00	250.00	110.00	57.00
8.00		2.00	8.20	12,300	550,000	2.00	138.00	136.00	94.00	22.00
2.00		2.00	15.30	9,600	280,000	1.00	223.00	78.00	132.00	86.00
3.00		2.00	10.60	7,400	174,000	2.00	80.00	80.00	24.00	40.00
3.00		2.00	10.00	8,000	120,000	1.00	212.00	174.00	141.00	43.00
8.00		2.00	9.20	13,000	240,000	2.00	180.00	143.00	106.00	43.00
8.00		2.00	8.50	10,200	68,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.40	8,200	265,000	2.00	193.00	69.00	137.00	40.00
8.00		2.00	5.00	4,800	340,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.60	8,500	164,000	2.00	222.00	326.00	143.00	37.00
8.00		2.00	9.50	4,700	294,000	2.00	103.00	126.00	58.00	25.00
8.00		2.00	7.80	11,600	489,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	6.70	6,100	227,000	2.00	142.00	141.00	86.00	26.00
2.00		2.00	10.90	10,100	198,000	1.00	223.00	97.00	151.00	45.00
2.00		2.00	7.80	10,400	107,000	1.00	250.00	176.00	162.00	56.00
8.00		2.00	8.90	9,000	134,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00		2.00	10.10	20,000	345,000	2.00	188.00	164.00	69.00	79.00
1.00		2.00	11.20	9,500	74,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	8.50	7,590	134,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	10.20	9,600	141,000	1.00	191.00	344.00	98.00	31.00
8.00		2.00	10.00	8,100	120,000	1.00	197.00	131.00	130.00	35.00
8.00		2.00	8.30	10,000	234,000	2.00	158.00	108.00	95.00	29.00
2.00		2.00	9.60	12,900	464,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00		2.00	13.70	10,900	166,000	2.00	158.00	106.00	88.00	34.00
8.00		2.00	7.50	10,000	118,000	2.00	157.00	86.00	75.00	57.00

2.00		2.00	8.00	8,400	220,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	11.80	9,400	180,000	1.00	365.00	367.00	240.00	46.00
8.00		2.00	7.20	8,200	131,000	1.00	438.00	539.00	267.00	49.00
8.00		2.00	10.00	7,600	183,000	1.00	209.00	155.00	119.00	57.00
8.00		2.00	7.90	7,200	212,000	1.00	236.00	109.00	161.00	44.00
2.00		2.00	12.10	8,400	174,000	1.00	473.00	566.00	314.00	36.00
2.00		2.00	11.90	9,000	140,000	2.00	159.00	146.00	55.00	55.00
8.00		2.00	8.00	3,500	38,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	11.20	7,000	290,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	7.60	9,900	120,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.40	5,900	348,000	1.00	234.00	156.00	166.00	36.00
2.00		2.00	9.00	5,700	85,000	1.00	171.00	161.00	87.00	66.00
8.00		2.00	9.00	13,000	68,000	1.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.30	1,150	144,000	1.00	192.00	193.00	100.00	59.00
8.00		2.00	10.20	4,400	185,000	1.00	207.00	243.00	122.00	53.00
2.00		2.00	8.10	10,600	155,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00		2.00	8.90	15,800	216,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	8.50	15,300	74,000	1.00	219.00	249.00	132.00	33.00
3.00		2.00	5.50	8,300	125,000	2.00	134.00	166.00	87.00	18.00
2.00		2.00	8.20	9,200	202,000	1.00	180.00	88.00	110.00	51.00
8.00		2.00	10.50	2,500	45,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	11.80	9,500	128,000	1.00	141.00	190.00	83.00	20.00
2.00		2.00	11.80	7,300	199,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.50	7,100	180,000	1.00	216.00	267.00	136.00	30.00
8.00		2.00	8.30	7,100	134,000	1.00	206.00	#NULL!	#NULL!	#NULL!
2.00		2.00	6.90	3,400	65,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.80	10,000	237,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	11.70	15,600	334,000	1.00	209.00	152.00	135.00	30.00
8.00		2.00	9.00	7,800	362,000	1.00	224.00	137.00	138.00	48.00
8.00		2.00	9.00	11,700	218,000	1.00	168.00	211.00	94.00	29.00
8.00		2.00	5.70	8,100	224,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	10.50	6,900	252,000	2.00	162.00	148.00	107.00	33.00
8.00	HEARINGLOSS	2.00	11.60	9,100	221,000	1.00	167.00	124.00	115.00	36.00
8.00	ABORTION1	2.00	10.60	5,200	130,000	1.00	237.00	150.00	162.00	59.00
8.00		2.00	12.00	9,500	119,000	2.00	116.00	77.00	63.00	42.00
8.00	PULMONARYSTEOSIS,	2.00	7.60	4,900	73,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!

8.00		2.00	5.70	10,700	118,000	2.00	89.00	130.00	36.00	19.00
2.00	OLDMEMBRANOUSNEI	2.00	13.20	8,200	240,000	2.00	153.00	129.00	95.00	40.00
8.00		2.00	7.60	11,500	122,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	RAYNODS	2.00	11.40	5,100	196,000	1.00	134.00	196.00	76.00	16.00
8.00		2.00	8.20	10,200	142,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	5.40	6,800	213,000	2.00	116.00	72.00	55.00	39.00
8.00		2.00	6.20	6,700	117,000	1.00	173.00	233.00	83.00	37.00
2.00	PANCAPOS,HEPC	2.00	15.10	9,000	372,000	2.00	125.00	120.00	66.00	32.00
2.00	VENOUSULCER	2.00	10.80	12,900	211,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.80	9,700	434,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	#NULL!	#NULL!	#NULL!	2.00	158.00	102.00	102.00	38.00
8.00		2.00	13.00	9,800	116,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	4.50	4,800	120,000	1.00	156.00	139.00	103.00	29.00
8.00		2.00	7.30	12,700	168,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	6.20	4,400	126,000	1.00	297.00	366.00	188.00	57.00
8.00		2.00	4.10	4,200	169,000	1.00	188.00	119.00	114.00	49.00
1.00		2.00	11.60	17,600	177,000	1.00	216.00	413.00	106.00	49.00
2.00	PROTEINSUPPLEMENT	2.00	19.30	8,900	#NULL!	1.00	234.00	133.00	159.00	52.00
2.00		2.00	7.30	6,400	137,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	11.00	6,500	156,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.50	11,400	196,000	1.00	195.00	258.00	92.00	63.00
2.00		2.00	8.70	10,100	210,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	12.20	10,600	426,000	1.00	345.00	258.00	253.00	34.00
8.00	HYPOTHYROID	2.00	10.20	13,200	212,000	1.00	305.00	101.00	200.00	63.00
8.00		2.00	13.00	12,300	401,000	2.00	134.00	91.00	77.00	67.00
8.00	HIV positive	2.00	9.30	7,500	281,000	1.00	196.00	160.00	126.00	37.00
8.00	HIP AVN	2.00	12.40	6,000	200,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00		2.00	9.80	11,900	127,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	HAIRLOSS,MYOCARDI,	2.00	6.30	4,600	153,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	5.30	7,800	291,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	11.00	8,100	196,000	1.00	201.00	150.00	134.00	41.00
8.00		2.00	12.70	8,900	114,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	12.70	12,300	221,000	1.00	204.00	149.00	117.00	63.00
8.00		2.00	11.30	15,200	241,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	RECENTABORTION	2.00	10.90	12,900	327,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	SLETREATED	2.00	11.90	14,900	251,000	1.00	224.00	106.00	136.00	67.00

8.00		2.00	9.10	9,600	397,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	9.70	10,200	175,000	1.00	323.00	341.00	224.00	32.00
8.00		2.00	3.80	11,000	170,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	10.40	9,600	145,000	1.00	212.00	191.00	128.00	45.00
3.00	RETINOPATHY	2.00	9.30	9,700	115,000	1.00	190.00	170.00	105.00	45.00
8.00		2.00	10.80	23,000	213,000	1.00	204.00	288.00	111.00	40.00
8.00	PE, Adult PCKD	2.00	7.30	8,000	201,000	2.00	137.00	116.00	67.00	50.00
#NULL!	hypothyroidism	2.00	8.20	15,700	99,000	2.00	150.00	110.00	67.00	50.00
8.00		2.00	10.20	6,500	388,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	12.90	7,900	239,000	1.00	291.00	178.00	203.00	62.00
8.00		2.00	8.90	8,100	437,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00		2.00	10.20	6,400	139,000	1.00	229.00	464.00	112.00	24.00
8.00	SLEtreatment	2.00	9.80	5,000	298,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.00	10,000	102,000	1.00	197.00	152.00	111.00	42.00
8.00	purpuric rash	2.00	12.70	17,600	280,000	2.00	175.00	129.00	78.00	69.00
1.00	SNHL,pulm hrg CT	2.00	9.70	13,100	310,000	1.00	177.00	188.00	119.00	35.00
8.00		2.00	11.60	9,800	146,000	1.00	318.00	219.00	218.00	46.00
8.00	TB	2.00	8.60	9,100	163,000	2.00	127.00	93.00	54.00	44.00
8.00	IgAnephropathy	2.00	7.90	23,300	153,000	1.00	239.00	124.00	100.00	93.00
2.00		2.00	6.70	4,700	93,000	2.00	133.00	187.00	80.00	26.00
8.00		2.00	8.50	3,400	187,000	1.00	205.00	162.00	146.00	35.00
8.00		2.00	6.10	8,200	249,000	1.00	271.00	327.00	169.00	58.00
8.00		2.00	6.40	10,500	162,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	12.30	10,300	239,000	1.00	281.00	155.00	179.00	77.00
8.00	lupus nephritis 26/6	2.00	6.80	8,500	125,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	12.00	22,600	242,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	9.60	4,200	151,000	1.00	206.00	202.00	127.00	59.00
8.00	wt loss	2.00	7.60	6,300	130,000	1.00	192.00	123.00	137.00	38.00
3.00		2.00	7.40	7,300	108,000	1.00	195.00	105.00	106.00	65.00
8.00		2.00	5.20	6,700	84,000	1.00	230.00	112.00	150.00	58.00
8.00		2.00	9.30	8,400	217,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	CLL	2.00	8.20	37,300	172,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	7.10	4,000	116,000	1.00	252.00	682.00	88.00	26.00
8.00		2.00	8.80	5,500	109,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	10.30	10,400	365,000	1.00	274.00	145.00	200.00	44.00
8.00		2.00	7.50	4,500	184,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!

8.00	NSAID AIN 2010 jan	2.00	7.90	9,800	297,000	2.00	152.00	62.00	87.00	55.00
8.00	Rheumatoid arthritis	2.00	9.20	9,700	446,000	1.00	226.00	128.00	145.00	37.00
8.00	PIGN,biosy done out	2.00	8.70	13,300	98,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	lupus nephritis 2010	2.00	8.80	9,700	138,000	1.00	283.00	62.00	94.00	166.00
3.00	retinopathy	2.00	9.40	#NULL!	344,000	1.00	221.00	87.00	151.00	42.00
8.00	SLE2yrs,seizures now	2.00	11.10	9,200	147,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	SLE4yrs	2.00	6.20	5,100	#NULL!	1.00	342.00	387.00	232.00	39.00
8.00	RF found outside	2.00	6.80	7,400	130,000	2.00	143.00	101.00	84.00	39.00
8.00		2.00	6.80	8,800	289,000	1.00	182.00	474.00	14.00	15.00
3.00	Alzheimers dementia	2.00	7.70	11,600	408,000	1.00	235.00	107.00	139.00	43.00
2.00	hypothyroid	2.00	7.60	7,000	137,000	1.00	251.00	282.00	169.00	34.00
2.00		2.00	7.10	11,500	171,000	1.00	179.00	146.00	103.00	47.00
2.00	hypothyroid	2.00	7.90	4,000	112,000	1.00	540.00	309.00	410.00	70.00
8.00		2.00	8.20	6,200	159,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	9.00	8,200	129,000	1.00	203.00	254.00	106.00	44.00
8.00		2.00	8.00	8,900	375,000	1.00	183.00	73.00	96.00	82.00
8.00		2.00	9.80	14,600	390,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	6.60	22,100	631,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	7/3/11 diffus prolGN	2.00	7.90	8,500	128,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.20	#NULL!	326,000	2.00	143.00	183.00	81.00	31.00
8.00		2.00	14.30	11,000	268,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.10	6,700	290,000	1.00	226.00	164.00	128.00	54.00
8.00		2.00	7.00	13,300	54,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	dec 2010 diagnosed	2.00	8.90	8,200	431,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	14.00	10,100	147,000	2.00	121.00	198.00	65.00	25.00
8.00		2.00	9.00	#NULL!	327,000	1.00	180.00	#NULL!	#NULL!	#NULL!
8.00	transplant1996	2.00	9.50	5,800	135,000	1.00	185.00	100.00	115.00	45.00
8.00		2.00	13.00	18,700	360,000	1.00	424.00	355.00	251.00	62.00
8.00	onATT	2.00	5.90	20,300	293,000	1.00	135.00	193.00	71.00	25.00
3.00		2.00	11.20	11,000	346,000	1.00	538.00	515.00	287.00	33.00
8.00	lupuscresenticGN2003	2.00	11.10	9,400	298,000	1.00	214.00	232.00	144.00	46.00
8.00	SLE 2006nov	2.00	8.30	4,500	43,000	1.00	200.00	176.00	120.00	45.00
3.00		2.00	9.90	#NULL!	102,000	2.00	168.00	62.00	97.00	49.00
8.00		2.00	7.60	8,800	605,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	granul mastoid ATT	2.00	6.90	7,200	182,000	2.00	134.00	159.00	73.00	30.00
8.00	lupus neph 2004	2.00	7.30	13,100	40,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!

2.00	recent HT	2.00	8.70	6,300	185,000	1.00	263.00	235.00	171.00	34.00
2.00		2.00	10.10	13,100	226,000	1.00	283.00	333.00	132.00	59.00
8.00		2.00	7.80	8,300	249,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.50	#NULL!	220,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.70	10,500	225,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	12.80	9,800	387,000	1.00	162.00	209.00	112.00	24.00
8.00	diag outside	2.00	6.30	7,900	360,000	1.00	217.00	185.00	135.00	42.00
1.00		2.00	7.90	6,400	258,000	1.00	175.00	57.00	106.00	32.00
8.00		2.00	7.30	11,400	369,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	sjogrens disease	2.00	11.70	7,900	418,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	ANA+	2.00	9.60	6,500	140,000	1.00	251.00	264.00	136.00	43.00
1.00		2.00	6.30	4,600	126,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	CANCA+ outside	2.00	7.30	12,900	279,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	10.50	14,800	331,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	hypothyroid	2.00	8.00	6,700	231,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	4.80	7,900	145,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	hypothyroid	2.00	7.20	7,400	170,000	2.00	169.00	114.00	106.00	37.00
8.00	LATE SLE	2.00	10.20	8,600	125,000	2.00	151.00	97.00	100.00	30.00
8.00		2.00	11.00	8,400	412,500	1.00	220.00	240.00	117.00	41.00
2.00	MALIGNANTHT	2.00	13.30	9,800	230,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	MALIGHT	2.00	9.10	14,200	211,000	1.00	207.00	245.00	121.00	32.00
2.00		2.00	7.90	6,000	223,000	2.00	138.00	65.00	75.00	33.00
8.00		2.00	9.90	6,500	197,000	1.00	265.00	120.00	120.00	56.00
8.00	HORSESHOEKIDNEY	2.00	8.90	7,000	230,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	11.30	7,400	215,000	1.00	304.00	149.00	210.00	66.00
8.00		2.00	12.30	12,100	118,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.10	11,200	541,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	7.50	13,900	414,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	12.90	8,900	276,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	6.90	17,200	303,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	CLD/HEPB	2.00	9.60	3,100	54,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	10.20	21,000	262,000	2.00	120.00	146.00	65.00	29.00
8.00		2.00	7.60	6,900	152,000	1.00	179.00	210.00	99.00	40.00
8.00		2.00	11.40	#NULL!	210,000	1.00	181.00	79.00	103.00	62.00
8.00		2.00	8.50	4,500	126,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	7.80	16,000	360,000	2.00	84.00	86.00	33.00	36.00

2.00		2.00	9.00	2,600	290,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	5.50	8,800	345,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	10.80	7,800	134,000	1.00	249.00	172.00	143.00	46.00
8.00	RAYNONDS	2.00	10.20	12,400	176,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	12.10	5,500	250,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.90	7,100	250,000	1.00	208.00	230.00	144.00	31.00
2.00		2.00	9.70	15,400	400,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	9.30	5,300	155,000	1.00	326.00	306.00	100.00	28.00
8.00		2.00	12.00	6,100	187,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.50	7,700	321,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	7.10	6,500	346,000	2.00	104.00	96.00	63.00	28.00
8.00		2.00	9.40	8,100	181,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	13.60	#NULL!	206,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	SICKLECELL	2.00	4.60	4,100	116,000	2.00	106.00	60.00	57.00	28.00
2.00		2.00	11.60	12,200	222,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	8.10	6,000	75,000	1.00	180.00	74.00	121.00	31.00
8.00		2.00	7.80	9,700	260,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	11.30	6,800	75,000	1.00	232.00	145.00	155.00	46.00
8.00		2.00	9.20	10,300	#NULL!	1.00	219.00	166.00	129.00	44.00
8.00		2.00	12.60	7,500	147,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	6.00	7,600	140,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	7.40	12,000	512,000	2.00	78.00	114.00	38.00	20.00
8.00		2.00	4.50	9,900	240,000	2.00	156.00	98.00	106.00	28.00
8.00		2.00	#NULL!	#NULL!	260,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.30	8,400	419,000	1.00	319.00	312.00	227.00	37.00
8.00	HYPOTHYROID	2.00	5.90	5,400	341,000	1.00	212.00	411.00	110.00	44.00
8.00		2.00	12.00	15,500	104,000	1.00	325.00	166.00	190.00	94.00
8.00		2.00	7.50	7,500	326,000	1.00	256.00	273.00	143.00	33.00
8.00		2.00	8.10	8,500	85,000	2.00	167.00	121.00	84.00	44.00
2.00	HYPOTHYROID	2.00	8.10	8,800	195,000	2.00	135.00	131.00	71.00	33.00
8.00		2.00	11.00	8,400	185,000	1.00	173.00	277.00	80.00	41.00
8.00		2.00	4.60	1,000	186,000	2.00	135.00	127.00	73.00	24.00
8.00		2.00	7.90	9,900	125,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00		2.00	14.60	17,900	347,000	1.00	286.00	121.00	203.00	51.00
8.00		2.00	6.00	7,900	214,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.60	7,000	393,000	1.00	180.00	120.00	100.00	44.00

3.00		2.00	12.30	11,400	223,000	1.00	176.00	125.00	96.00	38.00
8.00		2.00	6.90	9,500	60,000	1.00	189.00	184.00	100.00	30.00
8.00		2.00	9.60	19,000	165,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00		2.00	9.30	11,300	329,000	2.00	154.00	99.00	82.00	30.00
8.00		2.00	9.40	9,700	276,000	1.00	302.00	173.00	190.00	50.00
8.00	PANCREATITIS/SEPSIS	2.00	11.60	7,200	194,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
8.00	CELLULITIS	2.00	8.00	4,300	504,000	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00		2.00	6.30	14,500	417,700	3.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	SLE ON STEROIDS	2.00	9.70	10,600	120,000	1.00	376.00	320.00	265.00	50.00
8.00	OUTSIDEHD	2.00	6.90	16,800	210,000	2.00	134.00	130.00	59.00	28.00
8.00		2.00	10.70	9,300	169,000	1.00	228.00	116.00	143.00	58.00
8.00		2.00	9.60	#NULL!	476,000	2.00	137.00	91.00	61.00	50.00
8.00	factor VII deficienc	2.00	7.90	10,400	494,000	1.00	177.00	107.00	88.00	52.00
2.00	HYPOTHYROID	2.00	6.90	9,600	235,000	1.00	196.00	118.00	128.00	36.00
8.00	HYPOTHYROID	2.00	14.60	#NULL!	379,000	1.00	335.00	141.00	257.00	45.00

ALBUMIN	CREATININE	eGFR	eGFRp	Thirdmonthcreatinine	ThirdmonthGFR	Oneyearcreatinine	ONEYGFR	FIVEyearCRE	FIVEyearGFF
2.60	2.40	27.00	#NULL!	1.80	39.00	#NULL!	#NULL!	#NULL!	#NULL!
3.70	6.70	9.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
4.10	3.70	20.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.80	0.70	126.00	#NULL!	0.60	133.00	0.80	108.00	#NULL!	#NULL!
3.00	2.10	31.00	#NULL!	1.60	42.00	1.86	35.00	#NULL!	#NULL!
1.20	2.70	32.00	#NULL!	1.70	56.00	#NULL!	#NULL!	#NULL!	#NULL!
1.60	3.00	20.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
4.40	1.80	38.00	#NULL!	1.10	69.00	1.10	69.00	#NULL!	#NULL!
2.70	1.50	43.00	#NULL!	1.42	46.00	1.41	46.00	#NULL!	#NULL!
3.10	14.40	3.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	35.00	#NULL!	0.80	105.00	#NULL!	#NULL!	#NULL!	#NULL!
3.40	1.60	48.00	#NULL!	1.50	52.00	2.04	36.00	#NULL!	#NULL!
0.00	1.80	48.00	#NULL!	1.43	64.00	1.70	52.00	#NULL!	#NULL!
4.40	6.70	8.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.40	3.20	16.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.50	8.50	4.00	#NULL!	1.50	35.00	1.78	28.00	#NULL!	#NULL!
#NULL!	8.50	6.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.70	2.10	28.00	#NULL!	2.05	29.00	2.03	29.00	#NULL!	#NULL!
#NULL!	3.20	22.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
4.00	9.00	7.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.60	0.80	119.00	#NULL!	0.85	116.00	0.93	109.00	#NULL!	#NULL!
4.00	1.30	57.00	#NULL!	0.93	85.00	0.93	85.00	#NULL!	#NULL!
3.30	1.70	39.00	#NULL!	3.02	20.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00	1.50	61.00	#NULL!	1.73	39.00	#NULL!	#NULL!	#NULL!	#NULL!
3.10	2.90	20.00	#NULL!	1.62	40.00	1.51	44.00	#NULL!	#NULL!
#NULL!	1.80	32.00	#NULL!	1.54	39.00	#NULL!	#NULL!	#NULL!	#NULL!
3.60	4.90	10.00	#NULL!	9.15	4.00	#NULL!	#NULL!	#NULL!	#NULL!
3.00	4.70	9.00	#NULL!	#NULL!	#NULL!	1.24	47.00	#NULL!	#NULL!
#NULL!	3.50	19.00	#NULL!	6.86	8.00	#NULL!	#NULL!	#NULL!	#NULL!
4.20	2.60	27.00	#NULL!	2.07	36.00	#NULL!	#NULL!	#NULL!	#NULL!
2.20	10.80	5.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.70	0.80	89.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.70	2.10	26.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
4.20	0.90	102.00	#NULL!	0.97	93.00	1.01	89.00	#NULL!	#NULL!
4.10	9.20	4.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!

#NULL!	7.70	6.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.80	1.70	41.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.50	1.80	39.00	#NULL!	1.13	69.00	1.17	66.00	#NULL!	#NULL!	#NULL!
4.20	3.80	21.00	#NULL!	4.03	20.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.90	9.20	6.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.80	3.50	23.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.20	7.10	6.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.50	6.90	7.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.50	2.00	28.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
5.70	5.70	9.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.90	1.20	65.00	#NULL!	1.23	64.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.50	5.80	10.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.60	6.58	9.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.60	4.63	12.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.70	0.63	127.00	#NULL!	0.67	127.00	0.80	105.00	#NULL!	#NULL!	#NULL!
3.00	8.30	7.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.50	3.10	21.00	#NULL!	1.23	65.00	1.36	58.00	#NULL!	#NULL!	#NULL!
3.30	9.03	7.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.50	15.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.60	3.90	12.00	#NULL!	4.14	11.00	5.90	7.00	#NULL!	#NULL!	#NULL!
3.80	9.90	5.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.80	4.54	15.00	#NULL!	1.10	81.00	1.10	81.00	#NULL!	#NULL!	#NULL!
3.40	10.30	5.00	#NULL!	4.57	14.00	9.40	6.00	#NULL!	#NULL!	#NULL!
3.70	10.91	4.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.60	3.54	23.00	#NULL!	3.80	21.00	2.63	32.00	#NULL!	#NULL!	#NULL!
2.20	2.40	23.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.10	31.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.70	6.06	9.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.10	2.56	26.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.80	3.50	16.00	#NULL!	2.69	22.00	3.20	18.00	#NULL!	#NULL!	#NULL!
3.70	4.22	16.00	#NULL!	2.26	34.00	2.38	32.00	#NULL!	#NULL!	#NULL!
3.30	4.57	16.00	#NULL!	33.13	1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.80	1.01	64.00	#NULL!	1.19	52.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.10	2.69	20.00	#NULL!	1.30	57.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.90	1.80	62.00	#NULL!	1.17	104.00	0.90	143.00	#NULL!	#NULL!	#NULL!
2.40	3.04	26.00	#NULL!	1.45	63.00	1.42	64.00	#NULL!	#NULL!	#NULL!

1.90	10.01	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
4.30	2.23	28.00	#NULL!		1.91	34.00		1.91	34.00	#NULL!	#NULL!
2.60	16.29	3.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.10	0.85	86.00	#NULL!		0.87	83.00		0.87	83.00	#NULL!	#NULL!
2.70	0.70	123.00	#NULL!		0.76	111.00		0.76	111.00	#NULL!	#NULL!
2.80	14.01	3.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.00	8.01	7.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.60	2.74	28.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.90	4.41	10.00	#NULL!		1.64	33.00	#NULL!		#NULL!	#NULL!	#NULL!
1.90	6.10	11.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
#NULL!	6.02	7.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.00	10.75	6.00	#NULL!		1.25	84.00		1.18	90.00	#NULL!	#NULL!
1.60	6.37	9.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.20	10.10	5.00	#NULL!		1.73	42.00		1.23	63.00	#NULL!	#NULL!
2.20	0.72	111.00	#NULL!		0.80	98.00		0.79	99.00	#NULL!	#NULL!
2.70	8.91	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.10	1.75	47.00	#NULL!		1.16	78.00	#NULL!		#NULL!	#NULL!	#NULL!
4.90	1.35	67.00	#NULL!		1.42	63.00		1.39	64.00	#NULL!	#NULL!
2.60	2.04	40.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.60	5.20	8.00	#NULL!		1.64	33.00		1.82	29.00	#NULL!	#NULL!
3.90	2.25	29.00	#NULL!		2.29	29.00	#NULL!		#NULL!	#NULL!	#NULL!
2.60	2.21	25.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.00	1.09	65.00	#NULL!		0.84	89.00	#NULL!		#NULL!	#NULL!	#NULL!
2.80	1.61	40.00	#NULL!		1.08	65.00	#NULL!		#NULL!	#NULL!	#NULL!
4.00	0.72	116.00	#NULL!		0.75	110.00	#NULL!		#NULL!	#NULL!	#NULL!
2.40	1.35	56.00	#NULL!		0.93	88.00		0.50	136.00	#NULL!	#NULL!
4.30	2.99	28.00	#NULL!		2.81	31.00	#NULL!		#NULL!	#NULL!	#NULL!
2.90	6.10	7.00	#NULL!		2.13	24.00		1.64	33.00	#NULL!	#NULL!
1.90	1.14	66.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.70	14.87	4.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
4.20	2.20	39.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.90	12.30	4.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.20	0.80	126.00	#NULL!		0.90	120.00	#NULL!		#NULL!	#NULL!	#NULL!
1.80	0.70	106.00	#NULL!		0.90	96.00	#NULL!		#NULL!	#NULL!	#NULL!
2.50	4.60	12.00	#NULL!		0.80	103.00		0.90	89.00	#NULL!	#NULL!
3.10	3.40	18.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!

3.60	11.80	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.60	1.70	46.00	#NULL!		1.00	87.00		1.50	53.00	#NULL!	#NULL!
3.60	6.20	8.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.00	4.10	15.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.70	2.10	29.00	#NULL!		8.20	6.00	#NULL!		#NULL!	#NULL!	#NULL!
3.30	3.90	18.00	#NULL!		1.30	66.00		1.50	56.00	#NULL!	#NULL!
2.40	1.10	84.00	#NULL!		0.90	107.00		0.90	107.00	#NULL!	#NULL!
2.80	4.30	19.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
4.20	2.00	26.00	#NULL!		1.00	60.00		1.10	54.00	#NULL!	#NULL!
3.80	1.60	59.00	#NULL!		1.20	83.00	#NULL!		#NULL!	#NULL!	#NULL!
#NULL!	0.60	124.00	#NULL!		0.60	124.00		0.70	118.00	#NULL!	#NULL!
2.60	14.50	3.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.10	1.50	48.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.30	1.50	40.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.60	15.10	3.00	#NULL!		1.00	68.00		0.90	77.00	#NULL!	#NULL!
3.30	1.50	55.00	#NULL!		1.90	41.00		1.90	41.00	#NULL!	#NULL!
2.40	3.00	24.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.00	18.90	2.00	#NULL!		12.50	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.10	9.40	6.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.40	5.20	10.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
1.50	3.30	18.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.40	5.60	11.00	#NULL!		1.70	47.00		1.60	51.00	#NULL!	#NULL!
3.90	8.10	8.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.40	6.80	7.00	#NULL!		2.50	22.00	#NULL!		#NULL!	#NULL!	#NULL!
2.40	5.70	13.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
#NULL!	5.70	12.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.20	1.20	62.00	#NULL!		1.00	77.00		1.00	77.00	#NULL!	#NULL!
4.00	3.70	12.00	#NULL!		1.50	37.00	#NULL!		#NULL!	#NULL!	#NULL!
3.30	7.10	7.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.60	14.20	4.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.80	3.30	16.00	#NULL!		0.80	90.00		0.90	78.00	#NULL!	#NULL!
3.20	8.50	7.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.90	9.30	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.10	8.30	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
#NULL!	3.00	17.00	#NULL!		2.60	20.00	#NULL!		#NULL!	#NULL!	#NULL!
1.90	8.10	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!

3.60	4.50	10.00	#NULL!		2.40	21.00	#NULL!		#NULL!	#NULL!	#NULL!
3.10	4.50	11.00	#NULL!		2.30	24.00		2.87	18.00	#NULL!	#NULL!
2.80	9.40	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.10	1.90	42.00	#NULL!		1.30	67.00		1.77	46.00	#NULL!	#NULL!
2.80	3.10	21.00	#NULL!		3.00	22.00	#NULL!		#NULL!	#NULL!	#NULL!
2.80	7.60	7.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
1.30	2.40	27.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.50	5.40	9.00	#NULL!		5.00	10.00	#NULL!		#NULL!	#NULL!	#NULL!
1.40	6.20	11.00	#NULL!		2.60	32.00	#NULL!		#NULL!	#NULL!	#NULL!
3.10	2.80	15.00	#NULL!		1.50	33.00	#NULL!		#NULL!	#NULL!	#NULL!
3.40	3.50	16.00	#NULL!		2.00	23.00		1.70	39.00	#NULL!	#NULL!
3.30	4.60	11.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
#NULL!	4.20	12.00	#NULL!		8.80	5.00	#NULL!		#NULL!	#NULL!	#NULL!
1.70	6.00	12.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
4.00	16.10	3.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
#NULL!	7.30	6.00	#NULL!		3.70	14.00		3.36	16.00	#NULL!	#NULL!
3.20	1.90	40.00	#NULL!		1.30	64.00		1.21	70.00	#NULL!	#NULL!
2.50	18.00	2.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.10	7.30	7.00	#NULL!		1.90	36.00		1.73	41.00	#NULL!	#NULL!
3.40	13.90	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
#NULL!	2.50	34.00	#NULL!		3.60	22.00	#NULL!		#NULL!	#NULL!	#NULL!
2.80	2.30	36.00	#NULL!		1.50	61.00		2.71	30.00	#NULL!	#NULL!
1.50	1.90	31.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.80	5.00	10.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
5.00	1.30	71.00	#NULL!		1.10	87.00		1.06	90.00	#NULL!	#NULL!
2.40	2.30	40.00	#NULL!		0.80	130.00	#NULL!		#NULL!	#NULL!	#NULL!
2.90	3.50	17.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.40	1.10	90.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.60	7.10	9.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
1.20	3.40	17.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.00	5.50	10.00	#NULL!		1.30	59.00		2.00	35.00	#NULL!	#NULL!
2.60	1.30	55.00	#NULL!		1.10	68.00		1.30	55.00	#NULL!	#NULL!
3.50	2.10	33.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.20	11.20	5.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.50	4.90	10.00	#NULL!		6.50	7.00	#NULL!		#NULL!	#NULL!	#NULL!
2.10	4.80	11.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!

2.60	3.30	16.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.00	1.20	58.00	#NULL!		0.90	82.00		1.50	44.00	1.64	40.00
3.30	3.60	15.00	#NULL!	#NULL!		#NULL!		0.60	115.00	#NULL!	#NULL!
2.10	2.00	27.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.50	6.40	9.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.00	3.20	22.00	#NULL!		1.00	89.00		1.20	72.00	10.32	5.00
2.60	3.30	19.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.30	7.40	7.00	#NULL!		4.80	12.00	#NULL!		#NULL!	#NULL!	#NULL!
2.40	4.60	12.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
3.50	2.20	23.00	#NULL!		3.20	15.00	#NULL!		#NULL!	#NULL!	#NULL!
3.70	2.80	23.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.00	2.40	22.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.70	10.10	4.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
#NULL!	1.80	31.00	#NULL!		1.10	57.00	#NULL!		#NULL!	#NULL!	#NULL!
3.10	1.60	40.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.80	13.40	4.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.70	9.70	4.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.40	3.50	29.00	#NULL!		1.30	69.00		1.20	76.00	#NULL!	#NULL!
2.90	2.10	29.00	#NULL!		1.00	70.00		1.10	62.00	1.70	37.00
3.10	5.60	12.00	#NULL!		3.80	20.00	#NULL!		#NULL!	#NULL!	#NULL!
3.10	6.00	7.00	#NULL!		1.60	35.00		1.40	41.00	1.48	39.00
3.20	6.60	8.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.60	6.10	8.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
1.50	4.50	12.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
1.80	1.00	80.00	#NULL!		0.70	123.00		0.70	123.00	1.20	64.00
2.00	13.20	4.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.70	8.80	7.00	#NULL!		1.60	53.00		1.50	58.00	1.90	43.00
3.50	11.20	3.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.10	0.70	113.00	#NULL!		1.70	39.00		2.10	30.00	#NULL!	#NULL!
2.30	4.40	11.00	#NULL!		1.30	46.00		1.60	36.00	#NULL!	#NULL!
1.90	2.20	39.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
4.50	2.80	31.00	#NULL!		1.10	96.00		1.60	61.00	3.90	21.00
3.50	14.50	4.00	#NULL!		3.40	24.00	#NULL!		#NULL!	#NULL!	#NULL!
3.80	2.40	35.00	#NULL!		2.60	32.00	#NULL!		#NULL!	#NULL!	#NULL!
1.50	4.80	11.00	#NULL!	#NULL!		#NULL!	#NULL!		#NULL!	#NULL!	#NULL!
2.70	13.80	3.00	#NULL!		2.40	25.00		2.10	30.00	#NULL!	#NULL!

3.50	6.40	8.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
3.10	18.30	3.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.10	4.80	15.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
3.00	1.90	34.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
1.20	1.00	67.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.40	2.70	20.00	#NULL!	1.00	67.00	0.80	88.00	0.80	88.00	
2.70	5.60	7.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.20	3.10	18.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
3.00	0.60	117.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.30	1.40	48.00	#NULL!	1.00	72.00	#NULL!	#NULL!	#NULL!	#NULL!	
#NULL!	0.70	120.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
3.10	1.30	76.00	#NULL!	0.90	118.00	0.90	118.00	#NULL!	#NULL!	
4.10	2.10	40.00	#NULL!	3.70	20.00	#NULL!	#NULL!	#NULL!	#NULL!	
2.30	3.30	25.00	#NULL!	2.70	32.00	#NULL!	#NULL!	#NULL!	#NULL!	
2.90	8.90	6.00	#NULL!	1.60	49.00	1.30	64.00	1.20	70.00	
3.40	11.20	6.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
3.10	11.00	5.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.70	2.00	35.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
3.80	4.40	113.00	#NULL!	3.50	18.00	#NULL!	#NULL!	#NULL!	#NULL!	
4.80	1.30	77.00	#NULL!	1.00	106.00	#NULL!	#NULL!	#NULL!	#NULL!	
3.20	9.20	5.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.30	6.90	6.00	#NULL!	2.10	27.00	#NULL!	#NULL!	#NULL!	#NULL!	
2.90	5.30	9.00	#NULL!	3.80	14.00	#NULL!	#NULL!	#NULL!	#NULL!	
#NULL!	5.80	9.00	#NULL!	#NULL!	#NULL!	1.00	76.00	#NULL!	#NULL!	
3.40	9.80	6.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.00	6.50	7.00	#NULL!	0.90	75.00	1.00	66.00	#NULL!	#NULL!	
2.90	1.20	52.00	#NULL!	#NULL!	#NULL!	1.10	58.00	#NULL!	#NULL!	
1.40	1.10	72.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.80	11.90	4.00	#NULL!	2.70	22.00	5.20	10.00	#NULL!	#NULL!	
3.20	5.30	10.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.90	1.70	50.00	#NULL!	1.30	69.00	1.40	63.00	#NULL!	#NULL!	
3.20	8.00	7.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
#NULL!	6.10	7.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
3.50	3.10	16.00	#NULL!	4.60	10.00	#NULL!	#NULL!	#NULL!	#NULL!	
3.80	7.70	9.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
2.60	15.20	4.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	

2.70	3.80	16.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.50	14.50	4.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	8.60	6.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.60	1.00	90.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.20	2.00	46.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.90	4.50	15.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.60	4.10	15.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	8.50	6.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.10	1.80	32.00	#NULL!	1.40	44.00	1.20	53.00	#NULL!	#NULL!
3.30	13.00	5.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.90	1.20	48.00	#NULL!	1.00	60.00	#NULL!	#NULL!	2.82	17.00
2.60	4.40	12.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
3.20	4.20	10.00	#NULL!	2.80	17.00	2.70	18.00	2.28	22.00
2.90	9.50	4.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.90	2.50	31.00	#NULL!	0.60	128.00	1.00	95.00	1.20	76.00

LASTCRE	LASTeGFR	LASTVISITCKDSTA	VAR00030	URINERBC	URINEWBC	PROTEIN	OTHERURINEFINDI	PROTEINUR	C3
#NULL!	#NULL!	#NULL!	#NULL!	7.00	2.00	1.00		800	3.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	2.00	1.00		4,400	2.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	2.00	1.00		3,500	1.00
0.80	108.00	1.00	#NULL!	1.00	1.00	1.00		2,390	2.00
2.21	29.00	4.00	#NULL!	1.00	1.00	1.00		5,600	1.00
1.70	56.00	3.00	#NULL!	5.00	1.00	1.00		5,600	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00		6,100	2.00
1.00	77.00	2.00	#NULL!	8.00	2.00	1.00		330	2.00
1.36	48.00	3.00	#NULL!	1.00	1.00	1.00		5,700	1.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	1.00	2.00		450	2.00
0.80	105.00	1.00	#NULL!	8.00	1.00	1.00	TWOPLUS	440	1.00
1.96	38.00	3.00	#NULL!	8.00	2.00	1.00		1,200	2.00
1.78	49.00	3.00	#NULL!	1.00	1.00	1.00		1,700	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00		2,700	2.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	2.00	1.00		6,200	2.00
1.78	28.00	4.00	#NULL!	8.00	2.00	1.00	TWOPLUS	450	2.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	2.00	1.00		3,400	2.00
2.05	29.00	4.00	#NULL!	1.00	3.00	1.00		1,200	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00		1,200	2.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	2.00	1.00		6,200	2.00
0.93	109.00	1.00	#NULL!	5.00	4.00	1.00		4,200	1.00
0.93	85.00	2.00	#NULL!	8.00	1.00	1.00		4,260	2.00
3.02	20.00	4.00	#NULL!	2.00	2.00	1.00		4,000	1.00
1.69	40.00	3.00	#NULL!	8.00	1.00	1.00		920	2.00
1.09	65.00	4.00	#NULL!	8.00	1.00	1.00		5,200	2.00
1.54	39.00	3.00	#NULL!	7.00	2.00	1.00		5,300	2.00
9.15	4.00	6.00	1.00	2.00	1.00	1.00		3,200	2.00
1.24	47.00	3.00	#NULL!	8.00	2.00	1.00		1,000	2.00
6.86	8.00	5.00	#NULL!	8.00	2.00	1.00		4,000	2.00
1.80	43.00	3.00	#NULL!	7.00	1.00	1.00		580	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00		8,600	1.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	2.00	1.00		600	1.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	2.00	1.00		448	2.00
1.01	89.00	2.00	#NULL!	8.00	6.00	1.00		3,900	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00		1,800	1.00

#NULL!	#NULL!	#NULL!	#NULL!	6.00	2.00	1.00	1,800	1.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	1.00	1.00	8,630	1.00
1.17	66.00	2.00	#NULL!	2.00	2.00	1.00	4,700	1.00
4.03	20.00	4.00	#NULL!	7.00	1.00	1.00	7,400	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00	3,500	1.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	1.00	1.00	6,100	2.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	8.00	1.00	2,040	1.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	1.00	1.00	1,200	1.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	3.00	1.00	4,500	3.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	1.00	1.00	7,800	1.00
1.23	64.00	2.00	#NULL!	2.00	1.00	1.00	1,300	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	8.00	1.00	3,100	1.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	1.00	1.00	1,300	2.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	1.00	1.00 +++	2,100	1.00
0.86	96.00	1.00	#NULL!	4.00	7.00	1.00 ++	1,200	1.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	1.00	1.00 +++	8,300	2.00
1.30	58.00	3.00	#NULL!	8.00	4.00	1.00 +	1,530	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 ++	3,500	2.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	3.00	1.00 ++	1,100	2.00
9.79	4.00	5.00	#NULL!	1.00	1.00	1.00 +++	7,300	2.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	6.00	1.00 +++	4,800	1.00
1.10	81.00	2.00	#NULL!	3.00	6.00	1.00 ++	1,600	1.00
9.73	6.00	6.00	1.00	6.00	3.00	1.00 +++	6,800	2.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	1.00	1.00 +++	1,000	3.00
2.63	32.00	3.00	#NULL!	5.00	5.00	1.00 +++	9,200	2.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	1.00	1.00 +++	6,100	1.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	2.00	1.00 ++	3,200	1.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	4.00	1.00 +	1,200	2.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	3.00	1.00 +++	8,100	1.00
3.20	18.00	2.00	2.00	4.00	2.00	1.00 +++	4,400	2.00
2.38	32.00	3.00	2.00	8.00	1.00	1.00 ++	3,000	2.00
33.13	1.00	5.00	#NULL!	3.00	1.00	1.00 +++	8,900	3.00
1.19	52.00	3.00	2.00	4.00	2.00	1.00 +	940	2.00
1.30	57.00	3.00	2.00	8.00	1.00	2.00 +	67	1.00
0.90	143.00	1.00	2.00	4.00	1.00	1.00	973	3.00
1.34	64.00	2.00	2.00	8.00	1.00	1.00 ++	3,420	1.00

#NULL!	#NULL!	#NULL!	#NULL!	8.00	5.00	1.00	+++	5,900	2.00
2.38	26.00	4.00	2.00	1.00	1.00	#NULL!	Nil	102	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00	++	3,800	2.00
0.87	83.00	2.00	2.00	3.00	2.00	1.00	+	752	1.00
0.76	111.00	1.00	2.00	1.00	1.00	2.00	+	152	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	2.00	+	240	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	3.00	1.00		9,800	1.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	1.00	1.00	++	7,500	2.00
1.96	27.00	4.00	2.00	8.00	3.00	1.00	+++	0	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00	+	2,700	1.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	2.00	1.00		755	2.00
1.16	91.00	1.00	2.00	8.00	1.00	1.00	+++	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	3.00	1.00	2.00		315	1.00
1.23	63.00	2.00	2.00	8.00	2.00	1.00	++	2,270	1.00
0.60	117.00	1.00	2.00	8.00	2.00	1.00	+++	10	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	7.00	1.00	+	1,200	1.00
1.12	81.00	2.00	2.00	3.00	2.00	1.00	++	2,300	2.00
1.39	64.00	2.00	2.00	1.00	1.00	1.00		544	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00	+++	5,200	1.00
1.84	29.00	4.00	#NULL!	2.00	2.00	1.00	+++	5,600	1.00
2.29	29.00	4.00	#NULL!	4.00	1.00	1.00	+++	3,800	1.00
#NULL!	#NULL!	#NULL!	2.00	2.00	2.00	1.00	++	1,200	1.00
0.71	110.00	1.00	2.00	3.00	1.00	1.00	+++	3,800	2.00
0.90	81.00	2.00	2.00	8.00	8.00	1.00	+++	#NULL!	1.00
0.75	110.00	1.00	2.00	8.00	1.00	1.00	+++	1,200	2.00
0.50	136.00	1.00	2.00	8.00	2.00	1.00	+++	4,100	1.00
2.74	32.00	3.00	2.00	1.00	1.00	2.00	+	330	2.00
1.72	31.00	3.00	2.00	8.00	4.00	1.00	++	2,300	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00		1,200	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00	+++	6,200	2.00
#NULL!	#NULL!	#NULL!	2.00	2.00	2.00	1.00	+++	2,900	2.00
#NULL!	#NULL!	#NULL!	#NULL!	4.00	2.00	1.00	+++	12,000	2.00
1.07	97.00	2.00	2.00	7.00	2.00	1.00	++	6,000	2.00
0.90	96.00	2.00	#NULL!	8.00	1.00	1.00	+	745	1.00
0.90	89.00	2.00	2.00	6.00	3.00	1.00	+++	19,318	1.00
8.70	6.00	6.00	1.00	1.00	1.00	1.00	+++	1,500	2.00

#NULL!	#NULL!	#NULL!	#NULL!	8.00	3.00	#NULL!	1,640	2.00
1.48	54.00	3.00	2.00	8.00	8.00	1.00 +++	7,000	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	#NULL!	5,700	2.00
3.20	21.00	2.00	2.00	7.00	1.00	1.00 +++	3,680	1.00
8.20	6.00	6.00	1.00	1.00	1.00	1.00 +++	6,344	2.00
1.50	56.00	3.00	#NULL!	4.00	2.00	1.00 +++	6,893	1.00
0.76	131.00	1.00	2.00	8.00	4.00	1.00 +++	3,600	1.00
2.00	47.00	3.00	#NULL!	8.00	4.00	1.00	3,280	1.00
1.05	57.00	3.00	2.00	8.00	2.00	1.00 ++	786	2.00
1.20	83.00	2.00	2.00	5.00	1.00	1.00 +++	2,036	2.00
0.54	128.00	1.00	2.00	8.00	1.00	1.00 +++	6,801	1.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	1.00	1.00 +++	2,111	2.00
1.70	41.00	3.00	#NULL!	6.00	7.00	1.00 +++	4,200	1.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	1.00	1.00	601	1.00
0.92	75.00	2.00	2.00	8.00	8.00	1.00 +++	1,458	2.00
1.68	48.00	3.00	2.00	8.00	3.00	1.00 +++	#NULL!	2.00
2.80	26.00	4.00	#NULL!	1.00	1.00	1.00 +++	4,614	1.00
11.79	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 +++	5,488	2.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	2.00	1.00 +++	#NULL!	3.00
2.40	25.00	4.00	2.00	8.00	1.00	1.00 +++	3,683	1.00
2.50	26.00	4.00	2.00	8.00	3.00	1.00 +++	6,000	1.00
1.69	48.00	3.00	#NULL!	8.00	1.00	1.00 ++	3,841	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 ++	2,400	2.00
4.50	11.00	5.00	2.00	8.00	1.00	1.00 +++	8,264	2.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	2.00	1.00 +++	3,300	1.00
#NULL!	#NULL!	#NULL!	2.00	7.00	2.00	1.00 +++	8,072	2.00
1.13	67.00	2.00	2.00	1.00	8.00	1.00 ++	4,000	1.00
1.50	37.00	3.00	2.00	4.00	1.00	1.00 +++	1,200	1.00
#NULL!	#NULL!	#NULL!	#NULL!	3.00	1.00	1.00 +++	3,708	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 +++	4,341	2.00
0.80	90.00	1.00	#NULL!	1.00	2.00	1.00 +++	1,086	1.00
7.70	#NULL!	#NULL!	2.00	8.00	1.00	1.00 ++	#NULL!	3.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	3.00	1.00 +++	981	1.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	8.00	1.00 +++	#NULL!	2.00
2.60	20.00	4.00	#NULL!	8.00	1.00	1.00 +++	8,500	2.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	3.00	#NULL!	#NULL!	1.00

2.40	21.00	4.00	2.00	8.00	2.00	1.00	1,700	2.00
4.27	11.00	5.00	#NULL!	7.00	2.00	1.00 +++	4,400	2.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	4.00	1.00 +++	9,800	1.00
1.56	54.00	3.00	2.00	1.00	1.00	1.00 ++	7,500	2.00
24.00	3.00	5.00	1.00	5.00	1.00	1.00 +++	7,540	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 ++	3,100	1.00
#NULL!	#NULL!	#NULL!	1.00	5.00	4.00	1.00 +++	4,898	1.00
5.00	10.00	5.00	2.00	8.00	4.00	1.00 ++	5,700	2.00
2.60	32.00	3.00	2.00	4.00	2.00	1.00 +	1,980	1.00
2.60	17.00	4.00	2.00	8.00	2.00	1.00 ++	2,100	2.00
1.62	42.00	3.00	2.00	3.00	2.00	1.00 ++	7,077	2.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	1.00	1.00 ++	3,400	1.00
8.80	5.00	5.00	2.00	4.00	1.00	1.00 ++	2,217	2.00
#NULL!	#NULL!	#NULL!	2.00	8.00	2.00	1.00 +++	#NULL!	1.00
#NULL!	#NULL!	#NULL!	2.00	5.00	1.00	1.00 +++	2,200	2.00
3.36	14.00	6.00	1.00	6.00	1.00	1.00 ++	1,300	2.00
1.22	70.00	2.00	2.00	8.00	3.00	1.00 ++	2,500	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
1.45	51.00	3.00	2.00	8.00	1.00	1.00 ++	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	1.00	1.00 ++	5,700	2.00
3.60	22.00	4.00	#NULL!	2.00	2.00	1.00 +++	5,200	2.00
2.71	30.00	4.00	2.00	6.00	2.00	1.00 +++	8,700	2.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	5.00	#NULL!	2,407	1.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	1.00	1.00 ++	3,774	1.00
0.91	109.00	1.00	2.00	3.00	1.00	1.00 +	699	3.00
0.71	137.00	1.00	2.00	8.00	5.00	#NULL!	896	2.00
#NULL!	#NULL!	#NULL!	2.00	3.00	7.00	1.00 +++	7,900	3.00
#NULL!	#NULL!	#NULL!	2.00	7.00	1.00	1.00 ++	3,617	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	4.00	1.00 +++	656	2.00
4.20	13.00	5.00	2.00	7.00	2.00	1.00 +++	5,400	1.00
9.40	5.00	6.00	1.00	8.00	7.00	1.00 +++	2,200	1.00
1.80	37.00	3.00	2.00	7.00	1.00	1.00 +++	10	2.00
2.50	26.00	4.00	2.00	1.00	2.00	1.00 +++	2,100	3.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00 +++	1,800	1.00
6.50	7.00	5.00	2.00	8.00	2.00	1.00 ++	1,000	2.00
#NULL!	#NULL!	#NULL!	2.00	8.00	1.00	1.00 +++	660	1.00

#NULL!	#NULL!	#NULL!	2.00	3.00	1.00	1.00 +++	9,400	2.00
1.27	54.00	3.00	2.00	2.00	1.00	1.00 +++	6,400	2.00
0.70	109.00	1.00	2.00	7.00	7.00	1.00 ++	2,900	2.00
#NULL!	#NULL!	#NULL!	2.00	2.00	5.00	1.00 +++	1,150	1.00
#NULL!	#NULL!	#NULL!	2.00	6.00	2.00	1.00 +++	5,200	1.00
10.32	5.00	5.00	#NULL!	1.00	5.00	1.00 +++	9,500	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	143	1.00
4.20	14.00	5.00	#NULL!	7.00	1.00	1.00 +++	2,600	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	3.00	1.00 +	2,100	1.00
3.20	15.00	4.00	2.00	8.00	8.00	1.00 +	421	2.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	1.00	1.00 +++	7,100	1.00
#NULL!	#NULL!	#NULL!	2.00	8.00	1.00	1.00 ++	5,200	1.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	8.00	1.00 +	667	1.00
1.00	64.00	2.00	2.00	2.00	2.00	1.00 ++	2,400	1.00
#NULL!	#NULL!	#NULL!	#NULL!	4.00	3.00	1.00 +++	8,700	1.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	8.00	1.00 ++	3,466	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 +++	879	2.00
17.50	3.00	6.00	1.00	4.00	1.00	1.00 +++	7,500	1.00
1.30	51.00	3.00	2.00	5.00	3.00	1.00 +++	7,500	1.00
4.90	15.00	4.00	2.00	2.00	1.00	1.00 ++	5,300	2.00
1.43	40.00	3.00	2.00	8.00	8.00	1.00 ++	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	3.00	1.00 +++	3,500	2.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	8.00	1.00	1,700	1.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	5.00	1.00 +++	13,200	1.00
1.06	74.00	2.00	2.00	4.00	4.00	1.00 +++	4,370	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	4.00	1.00	29,000	2.00
1.90	43.00	3.00	2.00	8.00	2.00	1.00 +++	1,700	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00 +++	2,850	2.00
13.40	3.00	6.00	1.00	8.00	1.00	1.00 +++	7,200	2.00
1.60	36.00	3.00	2.00	8.00	1.00	1.00 +++	10,000	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00 +++	7,600	1.00
18.00	3.00	6.00	1.00	8.00	8.00	1.00 +++	2,700	2.00
3.40	24.00	4.00	2.00	8.00	2.00	1.00	7,200	2.00
3.60	21.00	4.00	2.00	7.00	1.00	1.00 +++	3,500	2.00
#NULL!	#NULL!	#NULL!	#NULL!	3.00	8.00	1.00 +++	8,700	1.00
2.90	20.00	4.00	2.00	8.00	2.00	1.00 +++	6,700	2.00

#NULL!	#NULL!	#NULL!	#NULL!	2.00	2.00	1.00 +++	4,700	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 ++	3,200	2.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	2.00	1.00 +++	2,300	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 +++	856	2.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	1.00	1.00 +++	6,800	3.00
0.80	88.00	2.00	2.00	8.00	5.00	1.00 +++	6,700	1.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	8.00	1.00 +++	1,600	1.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	1.00	1.00 +++	5,000	2.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	8.00	1.00	2,600	1.00
1.00	72.00	2.00	2.00	5.00	2.00	1.00 +++	8,000	1.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	2.00	1.00 ++	6,200	1.00
1.00	104.00	1.00	2.00	7.00	4.00	1.00 ++	2,000	1.00
8.10	8.00	5.00	2.00	4.00	1.00	1.00 +++	4,900	3.00
2.70	32.00	3.00	2.00	8.00	3.00	1.00 +++	8,000	1.00
1.20	70.00	2.00	2.00	8.00	2.00	1.00 +++	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00 +++	4,560	2.00
#NULL!	#NULL!	#NULL!	#NULL!	2.00	1.00	1.00 +++	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00 +++	14,500	2.00
3.50	18.00	4.00	2.00	8.00	8.00	1.00 +++	4,300	2.00
1.00	106.00	1.00	2.00	8.00	1.00	1.00 ++	1,500	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 ++	945	1.00
6.70	7.00	6.00	1.00	8.00	3.00	1.00 ++	2,120	1.00
3.80	14.00	5.00	2.00	4.00	2.00	1.00 +++	2,900	2.00
1.10	67.00	2.00	2.00	8.00	3.00	1.00 ++	2,740	1.00
#NULL!	#NULL!	#NULL!	#NULL!	7.00	1.00	1.00 +++	2,890	1.00
1.18	54.00	3.00	2.00	8.00	1.00	1.00 +	294	2.00
0.93	71.00	2.00	2.00	5.00	3.00	1.00 ++	6,000	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 ++	2,100	1.00
15.20	3.00	6.00	1.00	6.00	2.00	1.00 +++	5,600	1.00
11.10	4.00	6.00	1.00	8.00	1.00	1.00 +++	2,800	2.00
1.10	85.00	2.00	2.00	8.00	2.00	1.00 +++	4,800	3.00
#NULL!	#NULL!	#NULL!	#NULL!	5.00	4.00	1.00 +++	7,700	2.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	1.00	2.00	#NULL!	2.00
12.00	3.00	6.00	1.00	8.00	5.00	1.00 +++	9,000	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 +++	3,100	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00 +++	5,000	3.00

#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00	+++	10,300	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00	+++	15,000	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	?	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	1.00	7.00	1.00	++	1,900	2.00
#NULL!	#NULL!	#NULL!	#NULL!	6.00	1.00	1.00	+++	8,900	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	8.00	1.00	+++	5,121	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	2.00	1.00	+++	4,500	1.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00	+++	#NULL!	2.00
1.30	48.00	3.00	2.00	8.00	1.00	1.00	+++	4,500	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	1.00	1.00	+++	#NULL!	2.00
1.15	51.00	3.00	2.00	1.00	2.00	1.00	+++	5,800	1.00
#NULL!	#NULL!	#NULL!	2.00	3.00	2.00	1.00	+++	6,700	2.00
1.98	26.00	4.00	2.00	3.00	4.00	1.00	+++	718	2.00
#NULL!	#NULL!	#NULL!	#NULL!	8.00	7.00	1.00	+++	154	2.00
0.94	102.00	1.00	2.00	1.00	3.00	1.00	+++	7,500	2.00

C4	ASO	ADNB	ANA	ANAPATTERN	ANAVALUES	DSDNA	BBVS	ANCA	ANCATYPE	ANCATITRES
3.00	3.00	3.00	1.00		#NULL!	2.00	4.00	1.00	1.00	169
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	0.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	1.00		#NULL!	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	HOMOGENOUS	2.00	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED 2+	2.00	2.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	1.00	1.00	1.00	211
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	1.00	2.00	28
1.00	3.00	3.00	1.00	SPECKLED	4.00	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	3.00		#NULL!	3.00	4.00	1.00	1.00	87
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	1.00	1.00	285
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	1.00	2.00	18
2.00	2.00	2.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	4.00	2.00	4.00	1.00	1.00	94
2.00	2.00	2.00	1.00	SPECKLED	1.00	2.00	4.00	1.00	2.00	18
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	3.00	1.00	SPECKLED	4.00	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
1.00	2.00	2.00	1.00	HOMOGENOUS	4.00	1.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	1.00	WEAK	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	#NULL!	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	NUCLEOLAR	4.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	300
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!

2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	3.00	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	NOTAVAILABLE	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	3.00	SPECKLED	3.00	1.00	4.00	3.00	4.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	SPECKLED	4.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	SPEC,NUCLEO	2.00	1.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	1.00	2.00	29
1.00	3.00	3.00	1.00		#NULL!	1.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	HOMOGENOUS	3.00	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	300
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	1.00	SPECKLED	3.00	1.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	3.00	1.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	SPECKLED	3.00	1.00	4.00	2.00	3.00	#NULL!
2.00	2.00	1.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
3.00	3.00	3.00	2.00		#NULL!	3.00	4.00	1.00	1.00	205
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	#NULL!	1.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	SPECKLED	2.00	1.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	1.00	2.00	93
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	1.00	1.00	283
3.00	3.00	3.00	3.00		#NULL!	3.00	1.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	1.00	1.00	200
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	HOMOGENOUS	3.00	1.00	4.00	3.00	4.00	#NULL!

2.00	3.00	3.00	1.00	HOMOGENOUS	3.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	WEAK	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	1.00	2.00	300
2.00	3.00	3.00	1.00	HOMOGENOUS	4.00	1.00	4.00	3.00	4.00	#NULL!
#NULL!	3.00	3.00	1.00	SPECKLED	3.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	1.00	40
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	#NULL!	2.00	1.00	1.00	18
2.00	2.00	1.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	1.00	1.00	28
1.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	HOMOGENOUS	3.00	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	WEAK	#NULL!	2.00	4.00	1.00	2.00	25
1.00	3.00	3.00	1.00	HOMOGENOUS	4.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	300
2.00	3.00	3.00	1.00	HOMOGENOUS	4.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	HOMOGENOUS	3.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	1.00	1.00	1.00	WEAK	#NULL!	2.00	3.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	HOMOGENOUS	4.00	1.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	12
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	1.00	2.00	1.00	SPECKLED	0.00	2.00	4.00	2.00	3.00	#NULL!
1.00	1.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	2.00	2.00	4.00	2.00	3.00	#NULL!

2.00	2.00	2.00	1.00	WEAK	#NULL!	#NULL!	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	WEAK	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLE	27.00	2.00	4.00	1.00	2.00	30
2.00	3.00	2.00	1.00	SPECKLE	1.00	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	speckle	4.00	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	scl-70	3.00	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	1.00	70
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	3.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	speckle	4.00	1.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	Speckled	3.00	1.00	4.00	2.00	3.00	#NULL!
2.00	1.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	1.00	2.00	300
2.00	3.00	3.00	1.00	speckle	1.00	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLE	4.00	2.00	4.00	1.00	2.00	51
1.00	2.00	2.00	1.00	SPECKLE	3.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	300
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	1.00	1.00	87
2.00	3.00	3.00	1.00	SPECKLE	2.00	2.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	SCL-70	2.00	1.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	speckle	2.00	1.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	1.00	speckle	4.00	2.00	4.00	1.00	1.00	22
2.00	2.00	2.00	3.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	2.00	2.00	3.00	#NULL!
2.00	2.00	2.00	3.00		#NULL!	3.00	4.00	1.00	2.00	300
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	1.00	2.00	1.00	speckle	1.00	2.00	4.00	1.00	2.00	66

2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	2.00	4.00	1.00	1.00	16
1.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	#NULL!		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	SCL-70	2.00	1.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	3.00		#NULL!	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	speckle	3.00	2.00	4.00	2.00	3.00	#NULL!
1.00	2.00	2.00	1.00	speckle	3.00	1.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	3.00		#NULL!	3.00	4.00	1.00	1.00	65
2.00	1.00	2.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	WEAK	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
1.00	2.00	2.00	1.00	homogenous	4.00	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	WEAK	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	1.00	31
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	1.00	2.00	300
2.00	3.00	3.00	1.00	WEAK	#NULL!	2.00	4.00	1.00	1.00	140
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	speckle	3.00	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	1.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	1.00	2.00	220
2.00	3.00	3.00	1.00	speckle	#NULL!	1.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	speckle,homogenous	#NULL!	1.00	#NULL!	2.00	3.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	#NULL!	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	5
1.00	3.00	3.00	1.00	speckle	#NULL!	1.00	4.00	3.00	4.00	#NULL!

2.00	3.00	3.00	1.00	speckle	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	speckle,homogenous	#NULL!	1.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	1.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	1.00	1.00	8
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	1.00	1.00	1.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	nucleolar	#NULL!	2.00	4.00	1.00	2.00	62
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	1.00	1.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	speckled,homo,rim	#NULL!	1.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	1.00	2.00	47
2.00	2.00	2.00	1.00		#NULL!	3.00	2.00	1.00	2.00	8
2.00	3.00	3.00	1.00	SPECKLED	#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	1.00	2.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	1.00	1.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	3.00	1.00	SPECKLED	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	#NULL!	1.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	SPECKLED	#NULL!	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	NUCLEOLAR	#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	1.00	2.00	300
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	1.00	SPECKLED	#NULL!	2.00	4.00	2.00	3.00	#NULL!
1.00	2.00	2.00	3.00		#NULL!	3.00	1.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
1.00	3.00	3.00	1.00	SPECKLED	#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	#NULL!	2.00	4.00	1.00	1.00	8

2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	2.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	1.00	1.00	83
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	HOMOGENOUS	#NULL!	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	#NULL!	1.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	1.00	SPECKLED	#NULL!	1.00	4.00	3.00	4.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	3.00	4.00	1.00	1.00	60
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	1.00	60
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	300
2.00	2.00	2.00	1.00	SPECKLED	#NULL!	2.00	4.00	1.00	1.00	20
2.00	3.00	3.00	3.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	259
2.00	2.00	2.00	3.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
1.00	3.00	3.00	1.00	speckle	#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	2.00	15
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
3.00	3.00	3.00	3.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!

2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	1.00	1.00	60
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	3.00	4.00	#NULL!
2.00	1.00	1.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	1.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	3.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
1.00	2.00	3.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	2.00		#NULL!	2.00	4.00	1.00	1.00	117
2.00	2.00	2.00	2.00		#NULL!	2.00	4.00	2.00	3.00	#NULL!
2.00	3.00	3.00	1.00	WEAK	#NULL!	2.00	4.00	2.00	3.00	#NULL!

ANTIBODYOTHEI	APLA	RECEIVEDIMSBEFOREBIC	WHATTREA	totalGLOM	NO.CRESCEN	perCRESCEN	CRESCENTPERCEN
INTRINSICFACTC	3.00	2.00		10	4	40	2.00
	3.00	2.00		10	2	20	3.00
	3.00	2.00		12	2	16	3.00
	3.00	2.00		8	2	25	3.00
	2.00	2.00		13	6	46	2.00
LAPOSITIVE	2.00	2.00		10	6	60	1.00
COOMBSPOSITI\	2.00	2.00		12	10	80	1.00
	3.00	2.00		22	3	13	3.00
	2.00	2.00		10	4	40	2.00
	3.00	2.00		11	8	72	1.00
SSA,UNRNP,COC	2.00	1.00		12	6	50	1.00
	3.00	2.00		15	4	27	2.00
	#NULL!	2.00		6	1	16	3.00
	3.00	2.00		18	12	66	1.00
	3.00	2.00		7	4	55	1.00
	3.00	2.00		11	3	27	2.00
	3.00	2.00		6	5	83	1.00
COOMBS1	3.00	2.00		8	3	28	2.00
COOMBS1	2.00	2.00		8	3	28	2.00
	3.00	2.00		22	5	23	2.00
RNP,SSA	2.00	1.00		18	1	6	4.00
	3.00	1.00		14	5	35	2.00
	3.00	2.00		8	1	12	3.00
SSA	3.00	1.00		12	1	8	4.00
	3.00	2.00		10	2	20	3.00
	3.00	2.00		11	5	45	2.00
	3.00	2.00		12	4	33	2.00
	3.00	2.00		10	1	10	4.00
	3.00	2.00		24	8	#NULL!	#NULL!
	3.00	2.00		12	4	33	2.00
	3.00	2.00		8	4	50	1.00
	3.00	2.00		4	1	25	3.00
RA,COOMBS1	3.00	2.00		8	3	38	2.00
	3.00	2.00		9	2	22	3.00
	3.00	2.00		9	5	55	1.00

	3.00		2.00		21	7	33	2.00
	3.00		2.00		9	7	78	1.00
LA	2.00		1.00	TREATEDOUTSIDE	11	4	36	2.00
	3.00		1.00	TREATED	10	6	60	1.00
	3.00		2.00		12	8	66	1.00
	3.00		2.00		6	4	66	1.00
	3.00		2.00		16	5	31	2.00
LA,COOMBS 1	3.00		1.00	TREATED	15	4	26	2.00
	3.00		2.00		17	2	12	3.00
	3.00		2.00		11	4	36	2.00
SSA	2.00		1.00	TREATED	8	1	13	3.00
	3.00		2.00		8	6	77	1.00
	3.00		2.00		4	3	75	1.00
	3.00		1.00	TREATED	21	3	14	3.00
COOMBS3+	3.00	#NULL!		TREATED	14	4	28	2.00
	3.00		2.00		14	4	28	2.00
	3.00		2.00		10	2	20	3.00
	3.00		1.00	TPE	8	8	100	1.00
LA	3.00		2.00		10	8	80	1.00
	3.00		2.00		18	3	17	3.00
LA,COOMBS3+	2.00		1.00	TREATED	15	2	13	3.00
COOMBS2+	2.00		1.00	TREATED	7	4	57	1.00
	3.00		1.00	TREATED	8	5	62	1.00
	3.00		2.00		12	2	16	3.00
	3.00		2.00		15	1	7	4.00
	3.00		1.00	TREATED	11	5	46	2.00
	3.00		1.00	TREATED	6	2	33	2.00
	3.00		2.00		10	7	70	1.00
	3.00		2.00		14	9	65	1.00
	3.00		2.00		16	2	12	3.00
	3.00		2.00		16	9	56	1.00
	3.00		2.00		11	3	27	2.00
	3.00		2.00		8	2	25	3.00
	3.00		1.00	treatedwith ster+cni	18	8	44	2.00
	3.00		2.00		11	2	18	3.00
LA,COOMBS$+	2.00		2.00		11	1	9	4.00

LA,COMD2+THY+	2.00	2.00		4	3	75	1.00
	3.00	2.00		13	3	23	3.00
	3.00	1.00	TPE	12	11	90	1.00
LA,SSA,SSB,RA,C	2.00	1.00	TREATED	12	3	25	3.00
SSA	#NULL!	2.00		20	1	5	4.00
COOMBS	3.00	2.00		12	2	16	3.00
	3.00	2.00		16	5	33	2.00
	3.00	2.00		6	1	16	3.00
	3.00	2.00		13	4	30	2.00
	3.00	2.00		10	7	70	1.00
	3.00	2.00		8	5	62	1.00
	3.00	2.00		8	4	50	1.00
COOMBS1+	3.00	2.00		23	11	47	2.00
	3.00	2.00		8	5	62	1.00
SSA,SSB,COOME	3.00	2.00		13	3	23	3.00
	3.00	2.00		8	8	100	1.00
	3.00	1.00	onsteroid	8	4	50	1.00
	3.00	2.00		10	1	10	4.00
	3.00	2.00		14	6	42	2.00
	3.00	2.00		5	2	40	2.00
	3.00	1.00	S+MMF	10	9	90	1.00
RNP	2.00	1.00	ONSTEROIDS	8	3	38	2.00
	3.00	2.00		10	6	60	1.00
	3.00	1.00	STEROIDS	8	5	62	1.00
	3.00	2.00		10	2	20	3.00
	3.00	2.00		14	2	14	3.00
	3.00	1.00	RITUX+S+AZA	14	4	28	2.00
	3.00	2.00		12	6	50	1.00
SSA,COOMBS2+	1.00	2.00		12	2	16	3.00
	3.00	2.00		10	8	80	1.00
	3.00	2.00		10	1	10	4.00
	3.00	2.00		6	6	100	1.00
	3.00	1.00	S+E	13	1	9	4.00
	2.00	2.00		12	1	9	4.00
	2.00	2.00		7	4	57	1.00
	3.00	1.00	S	6	2	33	2.00

	3.00		2.00		8	7	86	1.00
	3.00		1.00	HADHD&S	6	2	33	2.00
	3.00		1.00		19	16	80	1.00
PANCA	3.00		2.00		10	6	60	1.00
	3.00		2.00		4	1	25	3.00
	3.00		1.00		20	18	90	1.00
antiSM,antiSSA	3.00		2.00		6	3	40	2.00
	3.00		2.00		8	8	100	1.00
	3.00		2.00		14	4	30	2.00
	3.00		2.00		5	1	20	3.00
	3.00		1.00	MTX	6	2	30	2.00
	3.00		2.00		5	3	60	1.00
antiRNP	3.00		1.00	S+AZA+MMF	8	4	50	1.00
	3.00		1.00	S	6	2	30	2.00
	3.00		2.00		14	4	29	2.00
	3.00		2.00		16	11	#NULL!	#NULL!
	3.00		1.00	S	5	1	20	3.00
	3.00		2.00		6	5	83	1.00
	3.00		2.00		8	1	13	3.00
	3.00		2.00		19	6	32	2.00
	3.00		2.00		10	2	20	3.00
	3.00		1.00	S+E	5	1	20	3.00
	3.00		2.00		5	5	100	1.00
	3.00		2.00		5	1	20	3.00
	3.00		1.00	S+E(stopped later)	20	11	55	1.00
	3.00		2.00		8	2	20	3.00
	3.00		1.00		16	#NULL!	#NULL!	#NULL!
	3.00		2.00		6	4	67	1.00
	3.00		1.00		14	8	57	1.00
	3.00		1.00	S	5	5	100	1.00
	3.00	#NULL!			5	1	20	3.00
	3.00		2.00		10	10	100	1.00
	3.00		2.00		11	11	100	1.00
	3.00		2.00		5	4	80	1.00
	3.00		2.00		6	5	83	1.00
PANCA 17	3.00		2.00		12	2	17	3.00

	3.00	2.00		5	2	40		2.00
	3.00	1.00	S+MTX	23	16	70		1.00
	3.00	1.00	S	9	6	67		1.00
	3.00	1.00	S+E	18	3	17		3.00
	3.00	2.00		8	1	13		3.00
	3.00	1.00	S	10	8	80		1.00
	3.00	1.00	S+E	16	4	25		3.00
	3.00	2.00		8	8	100		1.00
	3.00	2.00		5	5	100		1.00
	3.00	2.00		12	10	83		1.00
	3.00	2.00		6	3	50		1.00
	3.00	2.00		7	3	43		2.00
	3.00	1.00	S+E	2	1	50		1.00
	3.00	2.00		15	8	53		1.00
	3.00	2.00		11	8	73		1.00
	3.00	2.00		10	6	60		1.00
	3.00	2.00		9	4	44		2.00
	3.00	2.00		7	5	71		1.00
	3.00	1.00	S+E	21	6	29		2.00
	3.00	2.00		7	4	57		1.00
	3.00	2.00		6	3	50		1.00
	3.00	2.00		3	3	100		1.00
	3.00	2.00		12	2	17		3.00
	3.00	2.00		3	3	100		1.00
	3.00	2.00		14	#NULL!	#NULL!	#NULL!	
	3.00	2.00		9	3	33		2.00
	3.00	1.00	A+cyclosporine	7	#NULL!	#NULL!	#NULL!	
	3.00	2.00		38	1	3		4.00
	3.00	2.00		3	3	100		1.00
lupus ag,antiCL	3.00	2.00		4	1	25		3.00
lupus ag+	3.00	1.00	S+A	9	5	56		1.00
	3.00	1.00	S	19	#NULL!	#NULL!	#NULL!	
	3.00	2.00		4	1	25		3.00
	3.00	2.00		16	12	75		1.00
	3.00	1.00	S+E	5	1	20		3.00
	3.00	1.00	S+MMF	5	2	40		2.00

	3.00	2.00		10	6	60		1.00
	3.00	1.00	S	8	1	13		3.00
	3.00	2.00		5	1	20		3.00
	3.00	2.00		26	1	4		4.00
	3.00	2.00		13	2	15		3.00
	3.00	2.00		13	6	46		2.00
	3.00	1.00	S+E	11	7	64		1.00
	3.00	2.00		29	#NULL!	#NULL!	#NULL!	
	3.00	2.00		7	4	57		1.00
lupus AC+	3.00	2.00		3	#NULL!	#NULL!	#NULL!	
lupus AC+	3.00	1.00		11	3	27		2.00
	3.00	2.00		11	4	36		2.00
	3.00	1.00	S+E	14	14	100		1.00
	3.00	2.00		8	#NULL!	#NULL!	#NULL!	
anticardio +	3.00	1.00	S+MMF	5	#NULL!	#NULL!	#NULL!	
PANCA 11	3.00	2.00		10	10	100		1.00
	3.00	2.00		6	#NULL!	#NULL!	#NULL!	
	3.00	2.00		6	3	50		1.00
	3.00	2.00		8	4	50		1.00
	3.00	2.00		10	6	60		1.00
	3.00	2.00		12	8	66		1.00
LA	3.00	1.00		8	4	50		1.00
	3.00	1.00	S+E+MMF	11	11	100		1.00
	3.00	2.00		10	4	40		2.00
	2.00	1.00	S	26	2	7		4.00
	3.00	2.00		5	5	100		1.00
	3.00	1.00	S+MMF	10	5	50		1.00
	3.00	2.00		7	6	85		1.00
	3.00	1.00	S	12	3	25		3.00
	3.00	2.00		12	4	33		2.00
	3.00	2.00		10	2	20		3.00
	3.00	2.00		10	2	20		3.00
	3.00	2.00		13	9	69		1.00
	3.00	2.00		10	2	20		3.00
	2.00	1.00	S	7	4	55		1.00
	3.00	2.00		8	8	100		1.00

	3.00	2.00		3	2	66	1.00
	3.00	2.00		2	1	50	1.00
	3.00	2.00		5	5	100	1.00
	3.00	2.00		11	11	100	1.00
	3.00	2.00		3	1	33	2.00
	3.00	2.00		10	1	10	4.00
	3.00	2.00		5	1	20	3.00
	3.00	2.00		6	1	25	3.00
SSA,RNP,COOMS	1.00	1.00	S	10	2	20	3.00
	2.00	1.00	S	9	2	22	3.00
	2.00	1.00	S	12	2	15	3.00
RNP,LA	1.00	2.00		16	2	13	3.00
	3.00	2.00		5	1	20	3.00
	3.00	2.00		4	4	100	1.00
	3.00	1.00	MP	24	3	14	3.00
	3.00	2.00		1	1	100	1.00
	3.00	2.00		10	10	100	1.00
	3.00	2.00		6	1	15	3.00
	3.00	2.00		15	3	20	3.00
	2.00	2.00		12	2	16	3.00
	3.00	2.00		3	1	33	2.00
	3.00	2.00		8	4	50	1.00
	3.00	2.00		9	5	55	1.00
	3.00	2.00		10	10	100	1.00
	3.00	2.00		4	4	100	1.00
RF 375	3.00	2.00		10	5	50	1.00
	3.00	1.00	S	9	5	50	1.00
	3.00	2.00		6	4	67	1.00
	3.00	2.00		3	2	67	1.00
	3.00	2.00		4	2	50	1.00
	3.00	2.00		8	1	12	3.00
	3.00	2.00		3	1	33	2.00
	3.00	1.00		12	12	100	1.00
	3.00	2.00		4	4	100	1.00
	3.00	2.00		2	2	100	1.00
	3.00	2.00		9	3	33	2.00

3.00	2.00	12	2	22	3.00
3.00	2.00	5	5	100	1.00
3.00	2.00	10	10	100	1.00
3.00	2.00	7	3	42	2.00
3.00	2.00	7	1	14	3.00
3.00	2.00	5	5	100	1.00
3.00	2.00	2	1	50	1.00
3.00	2.00	8	2	25	3.00
2.00	1.00 S	6	3	50	1.00
3.00	2.00	12	9	80	1.00
3.00	2.00	11	3	27	2.00
3.00	2.00	15	1	6	4.00
3.00	2.00	14	11	79	1.00
3.00	2.00	19	10	55	1.00
3.00	2.00	10	1	10	4.00

percellular	perFIBROUS	perFIBCELLULA	perCEFCE	SCELORSEDGLOMER	MESANGIALHYPERCELLULA	INTERCAPILLARYI
#NULL!	0	40		0	2.00	2.00
20	0	0		3	2.00	1.00
16	0	0		0	1.00	2.00
#NULL!	#NULL!	#NULL!	25	0	1.00	2.00
#NULL!	#NULL!	46		2	1.00	2.00
#NULL!	#NULL!	60		0	1.00	2.00
80	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	13		3	1.00	2.00
10	30	#NULL!		1	1.00	2.00
#NULL!	#NULL!	72		2	1.00	2.00
#NULL!	#NULL!	50		1	1.00	2.00
#NULL!	#NULL!	27		0	1.00	2.00
16	#NULL!	#NULL!		2	1.00	2.00
#NULL!	66	#NULL!		0	1.00	1.00
55	#NULL!	#NULL!		3	2.00	1.00
#NULL!	#NULL!	27		2	2.00	2.00
#NULL!	#NULL!	83		3	2.00	2.00
#NULL!	28	#NULL!		1	1.00	1.00
#NULL!	#NULL!	28		0	2.00	2.00
#NULL!	23	#NULL!		14	2.00	2.00
#NULL!	6	#NULL!		0	2.00	2.00
#NULL!	#NULL!	35		0	1.00	2.00
12	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	8		4	1.00	2.00
#NULL!	#NULL!	20		2	2.00	2.00
#NULL!	45	#NULL!		6	2.00	2.00
#NULL!	#NULL!	33		6	2.00	2.00
10	#NULL!	#NULL!		1	2.00	2.00
#NULL!	#NULL!	33		16	1.00	2.00
#NULL!	#NULL!	33		3	1.00	2.00
38	#NULL!	12		1	2.00	2.00
#NULL!	#NULL!	25		1	1.00	2.00
#NULL!	#NULL!	38		4	1.00	2.00
#NULL!	#NULL!	22		0	1.00	2.00
#NULL!	#NULL!	55		2	2.00	2.00

#NULL!	#NULL!	33		14	2.00	2.00
#NULL!	#NULL!	78		0	1.00	2.00
#NULL!	#NULL!	36	Y	1	1.00	2.00
#NULL!	#NULL!	60		6	1.00	2.00
#NULL!	66	#NULL!		8	2.00	2.00
66	#NULL!	#NULL!		3	1.00	2.00
#NULL!	31	#NULL!		10	2.00	2.00
#NULL!	26	#NULL!		3	2.00	2.00
#NULL!	#NULL!	12		0	2.00	2.00
#NULL!	#NULL!	36		3	1.00	2.00
#NULL!	#NULL!	#NULL!		2	2.00	2.00
#NULL!	#NULL!	77		1	1.00	2.00
#NULL!	#NULL!	75		1	2.00	2.00
#NULL!	#NULL!	14		5	1.00	2.00
28	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	28		10	2.00	2.00
#NULL!	#NULL!	20		2	2.00	2.00
100	#NULL!	#NULL!	Y	0	2.00	2.00
80	#NULL!	#NULL!	Y	0	2.00	2.00
#NULL!	#NULL!	17		12	2.00	2.00
#NULL!	#NULL!	13		13	2.00	2.00
57	#NULL!	#NULL!		0	2.00	2.00
62	#NULL!	#NULL!		1	2.00	2.00
#NULL!	#NULL!	16		9	2.00	2.00
#NULL!	#NULL!	7		7	2.00	2.00
46	#NULL!	#NULL!	Y	4	2.00	2.00
#NULL!	33	#NULL!		1	2.00	2.00
#NULL!	#NULL!	70		3	1.00	2.00
#NULL!	#NULL!	65		3	1.00	2.00
#NULL!	12	#NULL!		8	1.00	2.00
#NULL!	#NULL!	56		4	2.00	2.00
#NULL!	#NULL!	27	Y	4	1.00	2.00
#NULL!	#NULL!	25	Y	0	1.00	2.00
#NULL!	44	#NULL!		4	1.00	2.00
#NULL!	#NULL!	18		0	1.00	2.00
9	#NULL!	#NULL!		0	1.00	2.00

#NULL!	#NULL!	75		0	1.00	2.00
#NULL!	23	#NULL!		1	1.00	2.00
90	#NULL!	#NULL!	Y	1	1.00	2.00
#NULL!	#NULL!	25		0	1.00	2.00
#NULL!	5	#NULL!		0	1.00	2.00
#NULL!	16	#NULL!		10	2.00	2.00
#NULL!	33	#NULL!		11	2.00	2.00
#NULL!	#NULL!	16		0	2.00	2.00
30	#NULL!	#NULL!	Y	4	2.00	2.00
#NULL!	#NULL!	70		1	1.00	2.00
#NULL!	62	#NULL!		2	2.00	2.00
50	#NULL!	#NULL!	Y	0	2.00	2.00
#NULL!	#NULL!	47		2	1.00	2.00
#NULL!	#NULL!	62		1	2.00	2.00
23	#NULL!	#NULL!		0	2.00	2.00
#NULL!	100	#NULL!		8	2.00	2.00
#NULL!	#NULL!	50		0	2.00	2.00
#NULL!	#NULL!	10		0	2.00	2.00
#NULL!	#NULL!	42		0	1.00	2.00
40	#NULL!	#NULL!		1	2.00	2.00
#NULL!	#NULL!	90		1	2.00	2.00
#NULL!	#NULL!	38		0	1.00	2.00
#NULL!	#NULL!	60		1	1.00	2.00
62	#NULL!	#NULL!	Y	0	1.00	2.00
20	#NULL!	#NULL!		0	1.00	2.00
14	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	28		2	2.00	2.00
#NULL!	#NULL!	50		0	2.00	2.00
#NULL!	#NULL!	16		0	1.00	2.00
80	#NULL!	#NULL!	Y	0	2.00	2.00
10	#NULL!	#NULL!		1	1.00	2.00
#NULL!	#NULL!	100		6	2.00	2.00
#NULL!	#NULL!	9		0	2.00	2.00
9	#NULL!	#NULL!		6	1.00	2.00
57	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	33		3	2.00	2.00

#NULL!	#NULL!	86	Y	7	2.00	2.00
#NULL!	#NULL!	33		0	2.00	2.00
80	#NULL!	#NULL!	Y	0	2.00	2.00
#NULL!	#NULL!	60		3	1.00	2.00
25	#NULL!	#NULL!		6	2.00	1.00
90	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	40	Y	0	1.00	2.00
#NULL!	#NULL!	100		0	2.00	2.00
30	#NULL!	#NULL!		0	1.00	2.00
20	#NULL!	#NULL!		1	2.00	2.00
#NULL!	30	#NULL!		0	2.00	2.00
#NULL!	#NULL!	60		0	1.00	2.00
#NULL!	#NULL!	50	Y	0	2.00	2.00
#NULL!	#NULL!	30		0	1.00	2.00
#NULL!	#NULL!	29		1	2.00	2.00
#NULL!	#NULL!	89		0	2.00	2.00
20	#NULL!	#NULL!		0	1.00	2.00
17	66	#NULL!		1	2.00	2.00
13	#NULL!	#NULL!		7	2.00	2.00
32	#NULL!	#NULL!		6	1.00	2.00
20	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	20		1	2.00	2.00
#NULL!	100	100		0	2.00	2.00
20	#NULL!	#NULL!		0	1.00	2.00
55	#NULL!	55		0	2.00	2.00
20	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	#NULL!		0	1.00	2.00
67	#NULL!	67		0	2.00	2.00
#NULL!	#NULL!	57		5	2.00	2.00
#NULL!	#NULL!	100		0	2.00	1.00
20	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	100		0	2.00	2.00
#NULL!	#NULL!	100		0	2.00	1.00
#NULL!	#NULL!	#NULL!		0	2.00	2.00
83	#NULL!	#NULL!		0	1.00	2.00
17	#NULL!	#NULL!		0	2.00	2.00

40	#NULL!	#NULL!		2	1.00	2.00
70	#NULL!	#NULL!		0	2.00	2.00
67	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	17		0	2.00	2.00
#NULL!	#NULL!	13		4	2.00	1.00
#NULL!	#NULL!	80		0	2.00	1.00
#NULL!	25	#NULL!		12	1.00	2.00
#NULL!	#NULL!	100		8	2.00	2.00
#NULL!	#NULL!	100	Y	0	1.00	2.00
#NULL!	#NULL!	83		3	2.00	1.00
50	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	43	Y	0	1.00	1.00
#NULL!	#NULL!	50		0	1.00	2.00
#NULL!	#NULL!	53		0	2.00	2.00
#NULL!	#NULL!	73	Y	3	2.00	1.00
#NULL!	#NULL!	60		2	2.00	2.00
44	#NULL!	#NULL!		0	2.00	2.00
71	#NULL!	#NULL!		0	2.00	2.00
29	#NULL!	#NULL!		0	1.00	2.00
57	#NULL!	#NULL!		0	1.00	2.00
50	#NULL!	#NULL!		0	1.00	2.00
#NULL!	100	#NULL!		3	2.00	2.00
17	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	#NULL!		3	1.00	2.00
#NULL!	#NULL!	#NULL!		0	2.00	2.00
33	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	#NULL!		0	1.00	1.00
3	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	100		0	2.00	2.00
#NULL!	#NULL!	25		1	1.00	2.00
56	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	#NULL!		2	1.00	2.00
#NULL!	#NULL!	#NULL!		4	1.00	2.00
#NULL!	#NULL!	75		0	2.00	2.00
#NULL!	#NULL!	20		0	1.00	2.00
#NULL!	#NULL!	40	Y	0	1.00	2.00

#NULL!	#NULL!	60		2	1.00	2.00
13	#NULL!	#NULL!		0	1.00	2.00
20	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	4		0	1.00	2.00
15	#NULL!	#NULL!		4	1.00	2.00
#NULL!	#NULL!	46		0	1.00	2.00
64	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	#NULL!		16	1.00	2.00
57	#NULL!	#NULL!		1	2.00	2.00
#NULL!	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	27		5	1.00	2.00
#NULL!	#NULL!	36		0	1.00	2.00
#NULL!	#NULL!	100		14	2.00	2.00
#NULL!	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	100		10	2.00	2.00
#NULL!	#NULL!	#NULL!		2	2.00	2.00
50	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	50		2	2.00	2.00
#NULL!	#NULL!	60		4	2.00	2.00
66	#NULL!	#NULL!		0	1.00	2.00
#NULL!	50	#NULL!		0	2.00	2.00
#NULL!	#NULL!	100		0	2.00	2.00
#NULL!	#NULL!	40		0	1.00	2.00
7	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	100		0	1.00	2.00
#NULL!	50	#NULL!		0	1.00	2.00
85	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	25		0	1.00	2.00
#NULL!	#NULL!	#NULL!	33	2	2.00	2.00
25	#NULL!	#NULL!		0	1.00	2.00
20	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	#NULL!	69	0	1.00	2.00
20	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	55		0	1.00	2.00
#NULL!	100	#NULL!		0	2.00	2.00

66	#NULL!	#NULL!		0	1.00	2.00
50	#NULL!	#NULL!		6	1.00	2.00
#NULL!	#NULL!	#NULL!		3	1.00	2.00
#NULL!	#NULL!	100		8	2.00	2.00
#NULL!	#NULL!	33		5	1.00	2.00
10	#NULL!	#NULL!		0	1.00	2.00
20	#NULL!	#NULL!		3	1.00	2.00
25	#NULL!	#NULL!		2	1.00	2.00
#NULL!	#NULL!	#NULL!	20	1	1.00	2.00
22	#NULL!	#NULL!		0	1.00	2.00
15	#NULL!	#NULL!		0	1.00	2.00
13	#NULL!	#NULL!		0	1.00	2.00
20	#NULL!	#NULL!		2	1.00	2.00
#NULL!	#NULL!	#NULL!		4	1.00	2.00
14	#NULL!	#NULL!		0	1.00	2.00
100	#NULL!	#NULL!		12	2.00	2.00
#NULL!	#NULL!	100		0	2.00	2.00
#NULL!	#NULL!	15		0	1.00	2.00
#NULL!	#NULL!	#NULL!	20	0	1.00	2.00
#NULL!	#NULL!	#NULL!		0	1.00	2.00
#NULL!	#NULL!	#NULL!		4	1.00	2.00
#NULL!	#NULL!	#NULL!	50	4	1.00	2.00
#NULL!	#NULL!	#NULL!		4	1.00	2.00
#NULL!	#NULL!	100		0	1.00	2.00
#NULL!	#NULL!	100		4	2.00	2.00
#NULL!	#NULL!	50	Y	0	2.00	2.00
#NULL!	#NULL!	50		0	1.00	2.00
#NULL!	#NULL!	67		0	1.00	2.00
#NULL!	#NULL!	67	Y	1	2.00	2.00
50	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	12		1	1.00	2.00
#NULL!	33	#NULL!		0	2.00	2.00
100	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	#NULL!		0	1.00	2.00
100	#NULL!	#NULL!		12	1.00	2.00
33	#NULL!	#NULL!		0	1.00	2.00

22	#NULL!	#NULL!		3	1.00	1.00
#NULL!	#NULL!	100		0	1.00	2.00
#NULL!	#NULL!	100		0	1.00	2.00
#NULL!	#NULL!	42		0	1.00	2.00
14	#NULL!	#NULL!		3	1.00	2.00
#NULL!	#NULL!	100	Y	0	1.00	2.00
50	#NULL!	#NULL!		4	2.00	2.00
25	#NULL!	#NULL!		0	1.00	2.00
#NULL!	50	#NULL!		1	1.00	2.00
#NULL!	#NULL!	80		0	2.00	2.00
#NULL!	#NULL!	27	Y	1	1.00	2.00
6	#NULL!	#NULL!		8	1.00	2.00
79	#NULL!	#NULL!		0	2.00	2.00
#NULL!	#NULL!	55		0	2.00	2.00
#NULL!	#NULL!	10		1	1.00	2.00

ENDOCAPILLARYPROLIFERA	NEUTROPHILICEXUDAT	NECROSIS	THROMBY	VASCULAR	IF	TYPEIF
2.00	2.00	1.00	2.00	2.00	NEGATIVE	3.00
1.00	2.00	2.00	2.00	4.00	FOCALGRANULARC31+	3.00
1.00	1.00	1.00	2.00	1.00	FOCALC3	3.00
1.00	2.00	2.00	2.00	1.00	Negative	3.00
1.00	2.00	2.00	2.00	2.00	IgG,A,M,C3	2.00
1.00	2.00	2.00	2.00	1.00	FULL HOUSE	2.00
1.00	1.00	2.00	2.00	1.00	IgG3,IgGA2,IgGM1,C32+C22+C1Q2C42	2.00
1.00	1.00	2.00	2.00	4.00	NEGATIVE	3.00
1.00	2.00	2.00	2.00	4.00	IgG3,IgM3,IgA2,C32,C1Q2,C4NEGATIVE	2.00
1.00	1.00	2.00	2.00	4.00	2,C31+	3.00
1.00	1.00	2.00	1.00	2.00	IgG3,IgM3,IgA3,C33+	2.00
1.00	1.00	2.00	2.00	2.00	Negative	3.00
1.00	1.00	1.00	2.00	3.00	IgA3+,C32+	2.00
1.00	2.00	2.00	2.00	4.00	C3	3.00
2.00	2.00	2.00	2.00	4.00	C3incapillaries,IgMINSCELORTICTUFT	3.00
1.00	2.00	2.00	2.00	4.00	GRANULAR C32+	2.00
1.00	1.00	2.00	2.00	4.00	GRANULARC3 3+	2.00
1.00	2.00	2.00	2.00	4.00	IgG2+,C31+INCAPILLARY	2.00
1.00	2.00	2.00	2.00	3.00	IgG1+,IgM3+,C3+	2.00
1.00	2.00	2.00	2.00	3.00	IgA2+,C32+	2.00
1.00	1.00	1.00	2.00	2.00	IgG(2+)IgA(1+),IgM(2+),C32+C1Q2+	2.00
1.00	1.00	2.00	2.00	4.00	MESANGIAL IGA2+ANDINCAPILLARC31+	2.00
1.00	1.00	2.00	2.00	2.00	CAPILLARYIgG3,A3M1C33C1Q3C42	2.00
1.00	2.00	2.00	2.00	1.00	GRANULARIgG3+	2.00
1.00	1.00	2.00	2.00	3.00	coarse granular IgG3+,IgM1+,C32+	2.00
1.00	2.00	2.00	2.00	3.00	IgA3+IgG1+IgM2+,C32+	2.00
1.00	2.00	2.00	2.00	2.00	GRANULARC3 2+	2.00
1.00	1.00	2.00	2.00	2.00	Granular c32+	3.00
1.00	1.00	2.00	2.00	3.00	Granular c32+	3.00
1.00	2.00	2.00	2.00	3.00	NEGATIVE	3.00
1.00	1.00	2.00	2.00	1.00	NEGATIVE	3.00
1.00	2.00	2.00	2.00	3.00	IgG3IgA2,IgM1C33,C1q3	2.00
1.00	2.00	2.00	2.00	4.00	FOCALC3	3.00
1.00	2.00	2.00	2.00	4.00	IgA3MESANGIUM	2.00
1.00	2.00	2.00	2.00	3.00	granularc32	3.00

1.00	1.00	2.00	2.00	4.00	Granular c3	3.00
1.00	1.00	1.00	2.00	1.00	IgG3,IgA3,IgM2,C32,C1Q3,C42	2.00
1.00	1.00	1.00	2.00	3.00	IgG3,IgA2,IgM1,C33,C1Q2,C41	2.00
1.00	2.00	2.00	2.00	4.00	MESANGIAL iGA	2.00
1.00	2.00	2.00	2.00	4.00	LinearigG in tuft,CAPILLARY C33	1.00
1.00	2.00	2.00	2.00	4.00	MesangialIgA,C33CAPIIARY	2.00
1.00	2.00	2.00	2.00	3.00	MesangialIgA2,C3incap	2.00
1.00	2.00	2.00	2.00	1.00	IgG2,IgA1,C31,C1Q1	2.00
1.00	2.00	2.00	2.00	3.00	Granularc3,capillary	3.00
1.00	1.00	2.00	1.00	5.00	IgG3,IgA2,C32,C1Q3	2.00
1.00	2.00	2.00	2.00	3.00	IgG3,IgM2,Iga1,C31,c41,c1q1	2.00
1.00	2.00	2.00	2.00	4.00	IgA3,C32	2.00
1.00	2.00	1.00	2.00	3.00	C31+	3.00
1.00	2.00	2.00	2.00	4.00	CoarsegranularIgG3,IgA2,c	2.00
1.00	1.00	1.00	2.00	4.00	GanularIgG3,IgA2,IgM1,C1Q2,C31,C41	2.00
1.00	2.00	2.00	2.00	4.00	FOCALGRANULARC3	3.00
1.00	1.00	1.00	2.00	2.00	focal c3	3.00
1.00	2.00	2.00	2.00	3.00	LINEAR IgG3,C31	1.00
1.00	1.00	2.00	2.00	2.00	GranularIgG2,C32,C1Q1	2.00
1.00	2.00	2.00	2.00	4.00	C3 ONLY	3.00
1.00	1.00	2.00	2.00	4.00	Granular ,IgG,IM1,C31,C41,C1Q1	2.00
1.00	1.00	2.00	2.00	4.00	GranularIgG1,C31	2.00
1.00	2.00	2.00	2.00	3.00	IgA3+	2.00
1.00	2.00	2.00	2.00	3.00	NEGATIVE	3.00
2.00	2.00	2.00	2.00	2.00	IgG3,C32+	2.00
1.00	1.00	2.00	2.00	4.00	IgG3,IgA1,C32,C1Q1,C41	2.00
1.00	2.00	2.00	2.00	3.00	IgG3,IgA3,IgM2,C33,C1Q1	2.00
1.00	2.00	2.00	2.00	2.00	granular c3	3.00
2.00	2.00	2.00	2.00	4.00	IgA3+	2.00
1.00	2.00	2.00	2.00	3.00	IgA2+	2.00
1.00	1.00	2.00	2.00	1.00	Negative	3.00
1.00	1.00	2.00	2.00	3.00	IgA3+,C32+	2.00
1.00	2.00	2.00	2.00	1.00	NEGATIVE	3.00
1.00	1.00	2.00	2.00	3.00	Granularc3	3.00
1.00	2.00	2.00	2.00	3.00	IgA3+,C33+	2.00
1.00	2.00	2.00	2.00	1.00	NA	#NULL!

1.00	1.00	2.00	2.00	1.00	IgG3,IgA1,IgM2,C32,C1Q2	2.00
2.00	2.00	2.00	2.00	4.00	Negative	3.00
1.00	2.00	1.00	2.00	1.00	Negative	3.00
1.00	1.00	2.00	2.00	1.00	IgG3,IgA2,IgM2,C32,C42,C1Q2,	2.00
2.00	2.00	2.00	2.00	1.00	IgG3,IgA3,IgM3,C33,C1Q3,C41	2.00
2.00	2.00	2.00	2.00	2.00	IgG3,C33	2.00
2.00	2.00	2.00	2.00	2.00	Linear IgG	1.00
2.00	2.00	2.00	2.00	2.00	IgA3,C32+	2.00
1.00	1.00	2.00	2.00	2.00	C33+	3.00
1.00	1.00	2.00	2.00	3.00	CoarsegranularIgG3+IgA3+C33+	2.00
1.00	1.00	2.00	2.00	3.00	c31+	3.00
1.00	1.00	2.00	2.00	5.00	IgG3,C33+	2.00
1.00	1.00	2.00	2.00	3.00	IgG3+,IgA2+,IgM3+,C33+,C1Q3+	2.00
1.00	2.00	2.00	2.00	1.00	C32+	3.00
1.00	1.00	1.00	2.00	3.00	IgG3+,IgA2+,IgM1+,C32+,C1Q3+	2.00
1.00	2.00	2.00	2.00	4.00	LINEARIgG	1.00
1.00	1.00	1.00	2.00	3.00	IgA3+	2.00
1.00	1.00	1.00	2.00	3.00	Negative	3.00
1.00	1.00	1.00	2.00	3.00	IgG2+IgA3+IgM1+C32+C1Q1+	2.00
1.00	1.00	2.00	2.00	2.00	gRANULARC32+	3.00
1.00	2.00	1.00	2.00	3.00	Granular IgG3+C31+	2.00
1.00	2.00	2.00	2.00	4.00	IgG3+IgM1+C33+C1Q1+	2.00
1.00	1.00	2.00	2.00	2.00	IgG3+IGA3+,C31+,C1Q1+	2.00
1.00	1.00	2.00	2.00	4.00	IgG3,IgA2+,C32+,C1Q3+,C42+	2.00
1.00	1.00	2.00	2.00	1.00	IgA3+,C31+	2.00
1.00	1.00	2.00	2.00	2.00	IgG2+,C32+	2.00
1.00	1.00	2.00	2.00	3.00	C32+	3.00
1.00	2.00	2.00	2.00	3.00	Granular C32+	3.00
1.00	1.00	2.00	2.00	2.00	IgG3+,IgA1+IgM1,C32+,C1Q1+	2.00
1.00	1.00	1.00	2.00	4.00	Linear IgG3+	1.00
1.00	1.00	1.00	2.00	1.00	IgA3+,C33+	2.00
2.00	2.00	2.00	2.00	4.00	Linear IgG3+C32+	1.00
1.00	2.00	2.00	2.00	1.00	Mesangial IgA2+	2.00
1.00	2.00	2.00	2.00	3.00	Mesangial&capillary c32+	3.00
1.00	1.00	2.00	2.00	1.00	Granularclumped IgG1+C32+	2.00
2.00	2.00	2.00	2.00	3.00	gRANULARIgG3+C32+IgM1+	2.00

2.00	2.00	2.00	2.00	1.00	Linear IgG glomerular tuft	1.00
1.00	1.00	2.00	2.00	1.00	Granularc33+,IgM1+	3.00
1.00	1.00	2.00	2.00	1.00	LINEARIgG3+	1.00
1.00	1.00	2.00	2.00	1.00	GRANULAR IgG3+ IgM2+ C32+	2.00
2.00	1.00	2.00	2.00	3.00	GRANULAR C3 CAPILLARY WALLS 1+	3.00
2.00	1.00	1.00	2.00	1.00	granular clumped c3 in mesangium,capillary wall 3	3.00
1.00	1.00	2.00	2.00	3.00		#NULL!
1.00	1.00	2.00	2.00	1.00	granular C32+ C41+ c1q1+	2.00
1.00	1.00	1.00	2.00	1.00	NOTHING	3.00
1.00	1.00	2.00	2.00	1.00	mesangial,capillary c3+	3.00
1.00	1.00	2.00	2.00	1.00	arborising mesangial IgA3+	2.00
1.00	1.00	2.00	2.00	4.00	granular c3 2+ on capillary wall	2.00
1.00	1.00	2.00	2.00	1.00	granular IgA3+,IgG3+,IgM1+,c33+ glom capillary v	2.00
1.00	1.00	2.00	2.00	1.00	coarsely granular dep IgG3+IgA1+c32+ capillary v	2.00
1.00	1.00	2.00	2.00	1.00	granular c3 on capillary wall 1+	3.00
2.00	1.00	1.00	2.00	1.00	c3 on sclerosed glomeruli	3.00
1.00	1.00	2.00	2.00	3.00	granular IgG(+/-)IgA1+IgM1+c32+ capillary,mesar	2.00
1.00	1.00	1.00	2.00	5.00	linear IgG3+capillary wall,focal granular c3	1.00
1.00	1.00	2.00	2.00	1.00	IgA 3+	2.00
1.00	1.00	1.00	2.00	2.00	linear IgG3+ in glomerular capillary wall	1.00
1.00	1.00	2.00	2.00	1.00	granular IgG3+IgA2+IgM1+c33+capillary wall,mes	2.00
1.00	1.00	1.00	2.00	1.00	granular c3 1+ to 2+ on capillary wall	3.00
1.00	1.00	1.00	2.00	3.00	linear IgG capillary,segmental c3 on sclerotic tuft	1.00
1.00	1.00	1.00	2.00	1.00	granular IgG1+c33+c41+c1q2+ capillary wall,mes	2.00
1.00	1.00	2.00	2.00	1.00	IgAG2+A1+C32+	2.00
1.00	1.00	1.00	2.00	1.00	granular,clumped c33+ capillary wall,mesangium	3.00
1.00	1.00	2.00	2.00	1.00	coarsely granular IgG3+IgA2+IgM,c32+capillary w	2.00
1.00	1.00	2.00	2.00	1.00	granular IgG1+IgM1+c31+ on capillary wall	2.00
1.00	2.00	2.00	2.00	4.00	granular c33+capillary wall,c3/IgM on sclerotic tuft	3.00
1.00	2.00	2.00	2.00	1.00	linear IgG 3+ on capillary wall	1.00
1.00	1.00	2.00	2.00	2.00	finely granular clumped c32+ on capillary wall	3.00
1.00	2.00	2.00	2.00	1.00	granular IgG3+,c32+ on capillary wall	2.00
1.00	2.00	2.00	2.00	4.00	linear IgG3+ glomerulus,granular c32+ capillary w	1.00
2.00	2.00	2.00	2.00	1.00	neg	3.00
1.00	1.00	2.00	2.00	3.00	granular IgG2+IgA3+IgM1+c33+mesangium,capill	2.00
1.00	2.00	1.00	2.00	1.00	IgM,c3 +/- in mesangium	#NULL!

1.00	1.00	2.00	2.00	2.00	focal c3 1+ in glomerular tufts	3.00
2.00	1.00	1.00	2.00	1.00	granular c3+/- on capillary walls	3.00
1.00	1.00	2.00	2.00	1.00	granular IgG1+,c31+ on capillary walls	2.00
1.00	1.00	2.00	2.00	2.00	granular IgG2+IgA2+IgM2+c31+ on capillary wall	2.00
1.00	2.00	2.00	2.00	3.00	IgM,c3 deposits on glomerular tufts	2.00
2.00	2.00	2.00	2.00	3.00	granular IgG,c3 3+ on capillary walls	2.00
2.00	1.00	2.00	1.00	2.00	coarsely granular IgG3+IgA3+IgM2+c33+ capillary	2.00
1.00	2.00	2.00	2.00	2.00	granular capilaryIgG3+IgA2+c31+,IgM c3sclerotic	2.00
1.00	1.00	2.00	2.00	1.00	coarsely granular IgG2+IgA1+IgM2+c33+ capillary	2.00
1.00	1.00	1.00	2.00	4.00	granular c3 on glomerular tufts	3.00
2.00	2.00	2.00	2.00	1.00	coarsely granularIgG2+IgA2+IgM+/-capillary,mesa	2.00
1.00	2.00	2.00	2.00	3.00	coarsely granular IgG3+IgA2+IgM1+c33+c1q1+ca	2.00
1.00	2.00	2.00	2.00	3.00	linear IgG capillary,c3 1+ capillary & mesangium	1.00
1.00	1.00	2.00	2.00	1.00	granular IgG3+IgA2+IgM3+c33+c1q2+c41+ capilla	2.00
1.00	2.00	2.00	2.00	3.00	linear IgG3+ on capillary wall	1.00
1.00	2.00	2.00	2.00	3.00	granular c3 1+ in glomerular tufts	3.00
1.00	1.00	1.00	2.00	3.00	mesangial,capillary c3 1+	3.00
2.00	2.00	1.00	2.00	1.00	linear IgG,granular c3 1+ capillary wall	1.00
1.00	1.00	1.00	2.00	1.00	neg	3.00
1.00	1.00	2.00	2.00	3.00	c3 +/- on capillary walls	3.00
1.00	2.00	1.00	2.00	3.00	neg	3.00
2.00	2.00	2.00	2.00	3.00	neg	3.00
1.00	1.00	1.00	1.00	1.00	IgG1+,IgM1+,IgA1+,c3 1+ capillary wall	2.00
1.00	2.00	1.00	2.00	3.00	IgG+/-IgA3+IgM2+c33+mesangium,focally capillar	2.00
1.00	1.00	2.00	2.00	3.00	arborising mesangial IgA 3+ deposits	2.00
1.00	1.00	2.00	2.00	1.00	focal granular c3+/- on glomerular capillary wall	2.00
2.00	2.00	2.00	2.00	3.00	IgM,c3 on sclerosed glomeruli	2.00
1.00	1.00	2.00	2.00	3.00	c3+ capillary,mesangium	3.00
1.00	1.00	2.00	2.00	1.00	neg	3.00
1.00	2.00	2.00	2.00	3.00	inadequate	#NULL!
1.00	2.00	1.00	2.00	1.00	granular IgG1+c31+	2.00
1.00	2.00	2.00	2.00	3.00	granular IgG2+IgA2+c32+ glomerular capillary wa	2.00
2.00	2.00	2.00	2.00	2.00	mesangial,capillary IgM3+,FS IgM,c3+ sclerotic tu	2.00
1.00	1.00	2.00	2.00	2.00	granular,clumped c3 2+ capillary wall	3.00
1.00	1.00	2.00	2.00	1.00	neg	3.00
1.00	2.00	2.00	2.00	3.00	coarse granularIgG+/-IgA1+IgM2+c32+capillary,m	2.00

1.00	2.00	2.00	2.00	3.00	coarse granular IgG3+IgA,IgM,c3 capillary,mesan	2.00
1.00	2.00	2.00	2.00	3.00	granular c3 1+ on capillary wall	3.00
2.00	2.00	2.00	2.00	1.00	granular clumped c3 2+ on capillary wall	3.00
1.00	1.00	2.00	2.00	3.00	coarse granular clumpedc33+IgG2+IgA1+capillary	2.00
1.00	1.00	2.00	2.00	4.00	coarse granular clumped c33+IgG2+IgM1+ciq1+	2.00
2.00	2.00	2.00	2.00	4.00	arborising mesangial deposits IgA 3+ IgG 1+ c3 1·	2.00
1.00	2.00	2.00	2.00	1.00		#NULL!
1.00	1.00	2.00	2.00	4.00	granular clumped c3 on glomerular capillary wall	3.00
1.00	1.00	2.00	2.00	1.00	granular clumped c3 2+	3.00
1.00	2.00	2.00	2.00	3.00	granular c3 1+ on capillary wall	3.00
1.00	1.00	2.00	2.00	4.00	IgG3+c32+ on capillary wall,mesangium. c4+/-	2.00
1.00	2.00	1.00	2.00	1.00	nonspecific IgM,c3 on sclerosed glomeruli	3.00
2.00	2.00	2.00	2.00	1.00	pauciimmune deposits of c3(+) focal glomerular tu	3.00
1.00	2.00	2.00	2.00	1.00	granular clumped c3 3+ mesangium,capillary wall	3.00
1.00	1.00	1.00	2.00	1.00	granular IgG3+IgA2+c32+ capillary walls	2.00
2.00	2.00	2.00	2.00	1.00	granular c3 2+ in focal glomerular tufts	3.00
1.00	2.00	2.00	2.00	2.00	granular clumped c3 3+ on capillary wall	3.00
1.00	1.00	2.00	2.00	3.00	GRANULAR IgG,C32+	2.00
1.00	1.00	2.00	2.00	1.00	GRANULARC33+	3.00
1.00	2.00	2.00	2.00	3.00	IGA 3+	2.00
1.00	1.00	2.00	2.00	3.00	IgG3+,C33+,IGA1+	2.00
1.00	2.00	2.00	2.00	3.00	IgG3+,IgA1,IgM2+,C32+	2.00
1.00	2.00	2.00	2.00	1.00	IgG3+,IGA1+,IgM2+C32+	2.00
1.00	2.00	2.00	2.00	1.00	IgG3+IgA2+C32+	2.00
1.00	2.00	2.00	2.00	1.00	IgG3+,IgA3+,M3+C33+	2.00
2.00	1.00	2.00	2.00	1.00	Linear IgG3+	1.00
1.00	2.00	2.00	2.00	3.00	NONSPECIFIC	#NULL!
2.00	2.00	1.00	2.00	1.00	LinearIgG1+	1.00
1.00	1.00	2.00	2.00	3.00	IgA3+	#NULL!
1.00	1.00	2.00	2.00	3.00	GRANULARCLUMPED C3	3.00
1.00	1.00	2.00	2.00	1.00	IgG1+C3	2.00
1.00	1.00	1.00	2.00	1.00	GRANULAR C3+	3.00
1.00	2.00	2.00	2.00	3.00	C32+	3.00
2.00	2.00	2.00	2.00	3.00	IgA3+	2.00
1.00	1.00	2.00	2.00	1.00	IgG3+IgA2+IgM1+C33+	2.00
1.00	2.00	2.00	2.00	1.00	C32+	3.00

1.00	2.00	2.00	2.00	3.00	IgA3+C32+	2.00
1.00	2.00	2.00	2.00	3.00	NEGATIVE	3.00
2.00	2.00	2.00	2.00	3.00	IgA1+C31+	2.00
2.00	2.00	2.00	2.00	4.00	LINEAR IgG	1.00
1.00	2.00	2.00	2.00	4.00	GRANULARIgG2+C32+	2.00
1.00	1.00	2.00	2.00	3.00	Granular IgG3+C32+	2.00
1.00	1.00	2.00	2.00	2.00	Granular IgG2+C32+	2.00
1.00	2.00	2.00	2.00	4.00	Granular IgA3+C32+	2.00
2.00	1.00	2.00	2.00	2.00	ONLY C3+	2.00
1.00	1.00	1.00	2.00	1.00	NA	2.00
1.00	1.00	2.00	2.00	1.00	IgG3+,IgM1+,C32+,C42+	2.00
1.00	2.00	2.00	2.00	4.00	IgG3+,IgM1+,C32+	2.00
1.00	2.00	2.00	2.00	1.00	C32+	3.00
1.00	2.00	2.00	2.00	3.00	C32+	3.00
1.00	1.00	1.00	2.00	1.00	IgG1+C32+	2.00
2.00	2.00	2.00	2.00	4.00	C31+	3.00
2.00	2.00	2.00	2.00	3.00	C32+	3.00
1.00	2.00	2.00	2.00	4.00	C33+	3.00
1.00	1.00	1.00	2.00	4.00	IgG3+C32+	3.00
1.00	1.00	1.00	2.00	2.00	IgA2+	2.00
2.00	2.00	1.00	2.00	1.00	C31+	3.00
1.00	2.00	1.00	2.00	1.00	C32+	3.00
1.00	1.00	2.00	2.00	1.00	IgG1+IgM1+C31+	2.00
1.00	1.00	2.00	2.00	3.00	C33+	3.00
1.00	2.00	2.00	2.00	2.00	C32+	3.00
2.00	2.00	1.00	2.00	1.00	NEGATIVE	3.00
1.00	2.00	2.00	2.00	3.00	F&S IgM,c3 in sclerotic tufts	2.00
1.00	2.00	1.00	2.00	1.00	coasely granular IgG3+IgA1+IgM1+ capillary wall	2.00
1.00	1.00	2.00	2.00	3.00	focal IgM in glomerular tufts	3.00
2.00	2.00	1.00	2.00	1.00	IgM,c3 on sclerosed glomeruli, IgG +/-	#NULL!
1.00	2.00	1.00	2.00	3.00	C32+	3.00
1.00	2.00	1.00	2.00	5.00	LINEARIgG	1.00
1.00	2.00	1.00	2.00	1.00	LINEARIgG3+	1.00
2.00	2.00	2.00	2.00	1.00	Negative	3.00
1.00	2.00	2.00	2.00	1.00	C31+	3.00
1.00	2.00	1.00	2.00	3.00	IgA3+C32+	2.00

1.00	1.00	2.00	2.00	3.00	FOCAL C3+	3.00
1.00	2.00	2.00	2.00	3.00	Linear IgG3+	1.00
1.00	1.00	1.00	1.00	5.00	IgG2+C33+	2.00
1.00	2.00	1.00	2.00	4.00	Negative	3.00
1.00	2.00	2.00	2.00	3.00	IgA3+C32+	2.00
1.00	2.00	2.00	2.00	1.00		2.00
1.00	1.00	2.00	2.00	2.00	C32+	3.00
1.00	2.00	1.00	2.00	3.00	C32+	3.00
1.00	1.00	2.00	2.00	4.00	IgG,C31+C41+C1Q1+	2.00
1.00	1.00	2.00	2.00	3.00	C33+	3.00
1.00	1.00	2.00	2.00	3.00	c3 2+ in mesangial areas	#NULL!
1.00	2.00	1.00	2.00	1.00	c3 in sclerotic tufts	3.00
2.00	2.00	2.00	2.00	1.00	neg	3.00
1.00	1.00	2.00	2.00	4.00	granular & clumped c3 3+, IgG1+, IgA1+	2.00
2.00	2.00	2.00	2.00	3.00	NEG	3.00

IFTA	OTHERBIOPSYFINDIN	PLASMAEXCHA	underwentdialysis	dialysisatpresentation	dialysisatdischarge	Dialysisdependent
2.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	1.00	1.00	1.00	1.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	#NULL!	
1.00	1.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	1.00	1.00	1.00	1.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	1.00	1.00	2.00	2.00	
2.00	3.00	1.00	1.00	1.00	1.00	
3.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	2.00	2.00	2.00	#NULL!	
3.00	3.00	1.00	1.00	1.00	1.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	2.00	2.00	2.00	2.00	
2.00	3.00	1.00	1.00	1.00	1.00	
1.00	3.00	2.00	2.00	2.00	2.00	
1.00	3.00	2.00	2.00	2.00	#NULL!	
1.00	3.00	2.00	2.00	2.00	2.00	
3.00	3.00	1.00	1.00	1.00	1.00	

1.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	1.00
3.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	2.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	2.00	1.00	1.00
3.00		3.00	1.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	2.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		4.00	1.00	1.00	1.00	1.00
1.00		2.00	1.00	1.00	1.00	1.00
3.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
1.00	MESANGIOLYSIS	3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	2.00
3.00		3.00	1.00	2.00	1.00	1.00
4.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00	WIRELOOP	3.00	2.00	2.00	2.00	2.00
1.00		2.00	1.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00

1.00		3.00	1.00	1.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		5.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00	GRANULOMA	3.00	1.00	1.00	1.00	1.00
3.00		1.00	1.00	1.00	1.00	1.00
3.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
2.00		3.00	1.00	2.00	1.00	1.00
3.00		3.00	1.00	2.00	2.00	2.00
1.00		3.00	1.00	2.00	2.00	2.00
3.00		3.00	1.00	2.00	1.00	1.00
1.00		1.00	1.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	2.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00	Separate fib.vas.n	3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
4.00		5.00	1.00	2.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	1.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	1.00
3.00		3.00	2.00	2.00	2.00	2.00

1.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	1.00	2.00	2.00	2.00
4.00		2.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	2.00	2.00
5.00		3.00	2.00	1.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	1.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
5.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
1.00	wire loops	3.00	1.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	1.00
5.00		3.00	1.00	2.00	2.00	2.00
5.00		2.00	2.00	2.00	2.00	2.00
2.00	C1C4 neg	3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	2.00	1.00	1.00
3.00		3.00	1.00	2.00	1.00	1.00
5.00		2.00	1.00	2.00	2.00	2.00
5.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	2.00	1.00	1.00
2.00		3.00	1.00	1.00	1.00	1.00
5.00		3.00	1.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	1.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00	IgA,c4 neg, c1q+/-	3.00	2.00	2.00	2.00	2.00
1.00	IgG neg	3.00	1.00	2.00	2.00	1.00
3.00		5.00	1.00	2.00	1.00	1.00
4.00		#NULL!	2.00	2.00	2.00	2.00
4.00	CD20+leuk infiltr	3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
1.00	granulomatous cres	3.00	1.00	1.00	1.00	1.00
4.00	c1q,c4 neg	3.00	2.00	2.00	2.00	2.00
4.00		3.00	1.00	2.00	1.00	1.00

1.00		2.00	2.00	2.00	2.00	2.00
4.00		2.00	2.00	2.00	2.00	2.00
4.00		3.00	1.00	1.00	1.00	1.00
3.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	2.00	1.00	1.00
4.00		3.00	2.00	2.00	2.00	2.00
3.00	c1q,c4 neg	3.00	2.00	2.00	2.00	2.00
4.00		3.00	2.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00	c32+c1q+/-c4+/-	3.00	2.00	2.00	2.00	2.00
1.00	c4 neg	3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
5.00		3.00	2.00	2.00	2.00	2.00
3.00		2.00	1.00	2.00	1.00	1.00
5.00		3.00	2.00	2.00	2.00	2.00
4.00	granulomas+	2.00	2.00	2.00	2.00	2.00
5.00		3.00	1.00	2.00	1.00	1.00
5.00		3.00	1.00	2.00	2.00	2.00
5.00		3.00	1.00	1.00	2.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
2.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
2.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
4.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	2.00	2.00
4.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
4.00		3.00	2.00	2.00	2.00	2.00
1.00	IgA,IgM (-)	3.00	2.00	2.00	2.00	2.00
4.00		3.00	2.00	2.00	2.00	2.00
2.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	1.00	2.00	1.00
4.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	1.00

3.00	c1q,c4 neg	3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	2.00	2.00
5.00		3.00	1.00	2.00	2.00	2.00
1.00	IgM,c1q,c4(+/-)	3.00	2.00	2.00	2.00	2.00
2.00	IgA neg	3.00	2.00	2.00	2.00	2.00
2.00	IgM neg	3.00	2.00	2.00	2.00	2.00
5.00		3.00	1.00	1.00	1.00	1.00
3.00		3.00	1.00	2.00	1.00	1.00
4.00		2.00	1.00	2.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
4.00	IgA,IgM,c1q neg	3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	1.00
4.00		3.00	2.00	2.00	2.00	2.00
5.00	IgM neg	3.00	2.00	2.00	2.00	2.00
1.00	IgG,IgA,IgM neg	2.00	1.00	1.00	#NULL!	#NULL!
3.00		3.00	1.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	1.00
3.00		3.00	1.00	1.00	1.00	1.00
3.00		3.00	1.00	1.00	1.00	1.00
3.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
4.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	1.00	1.00	2.00	2.00
4.00		3.00	1.00	1.00	1.00	1.00
4.00		3.00	2.00	2.00	2.00	2.00
4.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
2.00		3.00	2.00	2.00	2.00	2.00
4.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	2.00

3.00		3.00	1.00	1.00	2.00	2.00
2.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00	SLE/BUT	3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00	MPGN	3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	2.00	2.00
2.00		3.00	1.00	1.00	1.00	1.00
3.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00	BUT IC	3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	1.00	1.00	1.00
3.00		2.00	1.00	1.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
5.00		3.00	2.00	2.00	2.00	2.00
3.00	IgA neg	3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00	c3 neg	3.00	1.00	2.00	2.00	2.00
5.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
1.00		2.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
2.00		3.00	2.00	2.00	1.00	1.00

1.00	PIGN	3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
4.00	VASC/PIGN	3.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	2.00	2.00	1.00	1.00
3.00	PIGN	3.00	2.00	2.00	2.00	2.00
2.00		3.00	1.00	1.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00
3.00		3.00	1.00	1.00	1.00	1.00
4.00		3.00	2.00	2.00	2.00	2.00
2.00		3.00	2.00	2.00	2.00	2.00
5.00		3.00	2.00	2.00	2.00	2.00
1.00		3.00	1.00	2.00	1.00	1.00
1.00		3.00	2.00	2.00	2.00	2.00

VAR00006	treatmentreceived	DeathIN	INDEXVISIT	TRDMCREATINI	TRDMeGFR	TRDMNEWPROTEIN	TRDMPROTEINU	TRDMALBU
	2.00	2.00	1.80	39.00	0.37	247	#NULL!	
	1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	5.00	2.00	#NULL!	#NULL!	#NULL!	3,500	#NULL!	
	1.00	2.00	0.60	133.00	#NULL!	870	#NULL!	
	5.00	2.00	1.60	42.00	#NULL!	2,500	#NULL!	
	2.00	2.00	1.70	56.00	#NULL!	480	3.00	
	2.00	1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	6.00	2.00	1.10	69.00	2.00	110	4.50	
	5.00	2.00	1.42	46.00	#NULL!	2,000	3.70	
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	11.00	2.00	0.80	105.00	#NULL!	969	4.00	
	2.00	2.00	1.50	52.00	#NULL!	270	3.80	
	11.00	2.00	1.43	64.00	#NULL!	3,400	4.80	
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	1.00	2.00	1.50	35.00	#NULL!	2,400	3.10	
	1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	2.00	2.00	2.05	29.00	#NULL!	460	4.20	
	1.00	1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	11.00	2.00	0.85	116.00	#NULL!	295	4.50	
	11.00	2.00	0.93	85.00	#NULL!	1,730	#NULL!	
	2.00	2.00	3.02	20.00	#NULL!	2,100	2.60	
	11.00	2.00	1.73	39.00	#NULL!	220	#NULL!	
	1.00	2.00	1.62	40.00	#NULL!	781	3.20	
	11.00	2.00	1.54	39.00	#NULL!	594	4.20	
	1.00	2.00	9.15	4.00	#NULL!	#NULL!	3.70	
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	2.00	2.00	6.86	8.00	#NULL!	1,200	3.20	
	2.00	2.00	2.07	36.00	#NULL!	200	3.60	
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	1.00	1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	
	11.00	2.00	0.97	#NULL!	#NULL!	2,200	4.70	
	9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	

1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	1.13	#NULL!	#NULL!	1,500	3.20
11.00	2.00	4.03	#NULL!	#NULL!	4,000	3.20
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	1.23	#NULL!	#NULL!	800	3.30
11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	0.67	#NULL!	#NULL!	525	3.90
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	1.23	#NULL!	#NULL!	545	4.20
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	4.14	#NULL!	#NULL!	2,600	2.90
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	1.10	#NULL!	#NULL!	2,000	3.20
2.00	2.00	4.57	#NULL!	#NULL!	3,900	3.50
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	3.80	#NULL!	#NULL!	5,800	3.30
12.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
13.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	2.69	#NULL!	#NULL!	1,900	3.70
5.00	2.00	2.26	#NULL!	#NULL!	2,500	3.80
1.00	2.00	33.13	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	1.19	#NULL!	#NULL!	1,200	4.10
2.00	2.00	1.30	#NULL!	#NULL!	5,300	#NULL!
11.00	2.00	1.17	#NULL!	#NULL!	285	4.60
11.00	2.00	1.45	#NULL!	#NULL!	366	#NULL!

2.4CREATATDISCHAF	1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
quantiferonTB+	1.00	2.00	1.91	#NULL!	#NULL!	88	3.80
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
AORTICREGUR	11.00	2.00	0.87	#NULL!	#NULL!	270	#NULL!
	11.00	2.00	0.76	#NULL!	#NULL!	42	#NULL!
	9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	1.64	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	6.71	#NULL!	#NULL!	#NULL!	2.10
	1.00	2.00	1.25	#NULL!	#NULL!	498	4.70
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	1.73	#NULL!	#NULL!	670	4.60
	11.00	2.00	0.80	#NULL!	#NULL!	500	#NULL!
	9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	5.00	2.00	1.16	#NULL!	#NULL!	3,000	3.60
	1.00	2.00	1.42	#NULL!	#NULL!	178	4.00
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	1.64	#NULL!	#NULL!	8,800	3.10
	11.00	2.00	2.29	#NULL!	#NULL!	1,200	4.10
	11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	14.00	2.00	0.84	#NULL!	#NULL!	3,500	#NULL!
	11.00	2.00	1.08	#NULL!	#NULL!	3,100	3.20
	1.00	2.00	0.75	#NULL!	#NULL!	876	3.90
	1.00	2.00	0.93	#NULL!	#NULL!	4,400	#NULL!
	11.00	2.00	2.81	#NULL!	#NULL!	528	4.10
	14.00	2.00	2.13	#NULL!	#NULL!	1,300	3.50
	11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	6.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	5.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	11.00	2.00	0.90	#NULL!	#NULL!	2,300	3.50
	1.00	2.00	0.90	#NULL!	#NULL!	60	3.30
LATERIMPROVED	1.00	2.00	0.80	#NULL!	#NULL!	4,126	3.50
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!

2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	1.00	#NULL!	#NULL!	6,100	3.10
6.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	8.20	#NULL!	#NULL!	4,300	2.70
1.00	2.00	1.30	#NULL!	#NULL!	1,100	4.00
11.00	2.00	0.90	#NULL!	#NULL!	1,732	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	1.00	#NULL!	#NULL!	214	4.40
1.00	2.00	1.20	#NULL!	#NULL!	1,300	3.90
1.00	2.00	0.60	#NULL!	#NULL!	702	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	1.00	#NULL!	#NULL!	502	3.70
2.00	2.00	1.90	#NULL!	#NULL!	2,665	3.60
4.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
4.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	1.70	#NULL!	#NULL!	3,000	3.80
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	2.50	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	1.00	#NULL!	#NULL!	2,162	4.20
2.00	2.00	1.50	#NULL!	#NULL!	#NULL!	2.70
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	0.80	#NULL!	#NULL!	44	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	2.60	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!

2.00	2.00	2.40	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	2.30	#NULL!	#NULL!	3,800	3.10
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	1.30	#NULL!	#NULL!	2,300	3.60
9.00	2.00	3.00	22.00	#NULL!	#NULL!	3.50
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
4.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	5.00	#NULL!	#NULL!	1,800	4.10
2.00	2.00	2.60	#NULL!	#NULL!	#NULL!	2.20
2.00	2.00	1.50	#NULL!	#NULL!	2,351	#NULL!
11.00	2.00	2.00	#NULL!	#NULL!	1,400	3.30
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	8.80	#NULL!	#NULL!	3,900	3.50
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	20.00	#NULL!	#NULL!	491	3.30
2.00	2.00	3.70	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	1.30	#NULL!	#NULL!	265	4.60
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
4.00	2.00	1.90	#NULL!	#NULL!	70	3.20
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	3.60	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	1.50	#NULL!	#NULL!	1,700	3.30
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	1.10	#NULL!	#NULL!	229	4.50
9.00	2.00	0.80	#NULL!	#NULL!	37	4.10
5.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	1.30	#NULL!	#NULL!	1,400	3.00
2.00	2.00	1.10	#NULL!	#NULL!	3,000	3.80
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	6.50	#NULL!	#NULL!	#NULL!	2.70
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!

	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	0.90	#NULL!	#NULL!	4,100	2.30
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	1.00	#NULL!	#NULL!	3,000	3.90
	11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	4.80	#NULL!	#NULL!	#NULL!	2.30
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	3.20	#NULL!	#NULL!	#NULL!	3.30
	11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	1.10	#NULL!	#NULL!	54	3.90
	11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	1.30	#NULL!	#NULL!	116	3.40
	1.00	2.00	1.00	#NULL!	#NULL!	1,500	3.70
	11.00	2.00	3.80	#NULL!	#NULL!	3,400	2.40
LATERIMPROVED	1.00	2.00	1.60	#NULL!	#NULL!	#NULL!	#NULL!
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	11.00	2.00	0.70	#NULL!	#NULL!	2,200	3.20
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	11.00	2.00	1.60	#NULL!	#NULL!	670	4.10
	2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	1.70	#NULL!	#NULL!	7,000	2.30
	2.00	2.00	1.30	#NULL!	#NULL!	2,300	3.50
	9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	1.10	#NULL!	#NULL!	157	4.50
LATER IMPROVED	1.00	2.00	3.40	#NULL!	#NULL!	2,600	3.10
	4.00	2.00	2.60	#NULL!	#NULL!	2,000	3.90
	2.00	1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
	1.00	2.00	2.40	#NULL!	#NULL!	3,000	3.00

1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	1.00	#NULL!	#NULL!	183	4.00
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	1.00	#NULL!	#NULL!	7,200	1.80
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	0.90	#NULL!	#NULL!	950	4.30
1.00	2.00	3.70	#NULL!	#NULL!	3,100	4.00
1.00	2.00	2.70	#NULL!	#NULL!	7,700	#NULL!
1.00	2.00	1.60	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	3.50	#NULL!	#NULL!	754	4.40
1.00	2.00	1.00	#NULL!	#NULL!	83	4.70
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	2.10	#NULL!	#NULL!	799	#NULL!
1.00	2.00	3.80	#NULL!	#NULL!	1,000	3.20
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	0.90	#NULL!	#NULL!	220	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	2.70	#NULL!	#NULL!	1,200	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	1.30	#NULL!	#NULL!	156	4.20
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	4.60	#NULL!	#NULL!	#NULL!	3.80
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!

1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
11.00	2.00	1.40	#NULL!	#NULL!	1,020	#NULL!
9.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	2.00	1.00	#NULL!	#NULL!	105	3.90
2.00	2.00	8.10	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	2.80	#NULL!	#NULL!	648	3.30
1.00	2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
4.00	2.00	0.60	#NULL!	#NULL!	253	3.50

THIRDMDIALYS	ONCREATINII	ONEYeGFR	ONPRURIA	ONEYALBU	ONEYDIALYSISSTART	FVCREATINI	FVeGFR	FVPROTE	FVALUMIN
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.80	108.00	2,400.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.86	35.00	460.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.10	69.00	70.00	4.50	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	1.41	46.00	46.00	4.10	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.04	36.00	54.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.70	52.00	3,300.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.78	28.00	90.00	3.70	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.03	29.00	300.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.93	109.00	189.00	4.30	2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.93	85.00	140.00	3.30	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.51	44.00	348.00	4.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	1.24	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
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#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.01	#NULL!	1,900.00	4.30	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!

#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.17	#NULL!	1,200.00	3.50	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
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#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
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#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.80	#NULL!	56.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.36	#NULL!	200.00	4.40	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	5.90	#NULL!	2,200.00	3.20	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.12	#NULL!	190.00	3.90	2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	9.40	#NULL!	#NULL!	#NULL!	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.63	#NULL!	4,400.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
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#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	3.20	#NULL!	1,200.00	4.30	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.38	#NULL!	1,400.00	4.30	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.90	#NULL!	53.00	4.60	2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.42	#NULL!	90.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	#NULL!

#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.91	#NULL!	88.00	3.80		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.87	#NULL!	78.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.76	#NULL!	18.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
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#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.18	#NULL!	50.00	4.90	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.23	#NULL!	108.00	4.10		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.79	#NULL!	156.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.39	#NULL!	200.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.82	#NULL!	#NULL!	3.40	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.50	#NULL!	374.00	4.20		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.64	#NULL!	3,100.00	3.80		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.90	#NULL!	4,220.00	4.30		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!

#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.50	#NULL!	4,100.00	4.00		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
1.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.50	#NULL!	694.00	4.50		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	0.90	#NULL!	220.00	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.10	#NULL!	142.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.70	#NULL!	170.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.90	#NULL!	130.00	4.40		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.90	#NULL!	677.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
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#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	1.60	#NULL!	608.00	4.40	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.00	#NULL!	50.00	4.40		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	0.90	#NULL!	76.00	4.80	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	16.40	#NULL!	#NULL!	4.40	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!

2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.87	#NULL!	#NULL!	3.20	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.77	#NULL!	136.00	4.30		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	10.21	#NULL!	#NULL!	4.90	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.70	#NULL!	2,600.00	4.20		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	13.77	#NULL!	#NULL!	3.60	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	3.36	#NULL!	1,300.00	3.90		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.21	#NULL!	89.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.73	#NULL!	98.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.71	#NULL!	642.00	4.70		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.06	#NULL!	680.00	4.70		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.00	#NULL!	95.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.30	#NULL!	294.00	4.90		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!

#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.50	#NULL!	180.00	4.40		2.00	1.64	#NULL!	739.00	3.90
2.00	0.60	#NULL!	21.00	5.00		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.20	#NULL!	64.00	#NULL!		2.00	10.32	#NULL!	6,800.00	3.40
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.20	#NULL!	175.00	4.70		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.10	#NULL!	200.00	4.30		2.00	1.70	#NULL!	2,400.00	4.40
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.40	#NULL!	180.00	4.40		2.00	1.48	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.70	#NULL!	354.00	4.10		2.00	1.20	#NULL!	3,200.00	2.10
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.50	#NULL!	420.00	#NULL!		2.00	1.90	#NULL!	52.00	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.10	#NULL!	3,200.00	#NULL!		2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.60	#NULL!	200.00	4.50		2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.60	#NULL!	130.00	5.00		2.00	3.90	#NULL!	3,910.00	4.30
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.10	#NULL!	2,000.00	3.50	#NULL!		#NULL!	#NULL!	#NULL!	#NULL!

#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	0.80	#NULL!	108.00	4.60	2.00	0.80	#NULL!	101.00	3.90
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	0.90	#NULL!	73.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.30	#NULL!	120.00	4.10	2.00	1.20	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	1.00	#NULL!	400.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.00	#NULL!	75.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.10	#NULL!	837.00	4.20	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	5.20	#NULL!	1,300.00	4.30	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.40	#NULL!	188.00	4.20	2.00	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!

#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	1.20	#NULL!	996.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.82	#NULL!	3,100.00	2.50
2.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	2.70	#NULL!	#NULL!	#NULL!	2.00	2.28	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!
2.00	1.00	#NULL!	26.00	#NULL!	2.00	1.20	#NULL!	22.00	#NULL!

FVDIALYSIS	LVCREATININ	LVeGFR	LVPROTEINUR	LVALBUMIN	LASTDD	COMPLICATIONDUR	CAUSEOFDE/	DEATHATMO	INDEXVISITDI
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2	2.00	5	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	0.80	108.00	2.60	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	2.21	29.00	#NULL!	#NULL!	#NULL!	6	#NULL!	#NULL!	2.00
#NULL!	1.70	56.00	0.14	#NULL!	#NULL!	13	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1	1.00	1	#NULL!
#NULL!	1.00	77.00	120.00	#NULL!	#NULL!	3	#NULL!	#NULL!	2.00
#NULL!	1.36	48.00	36.00	4.20	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	0.80	105.00	969.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.96	38.00	50.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.78	49.00	3,678.00	4.50	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.78	28.00	90.00	3.70	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	2.05	29.00	300.00	4.00	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	10	#NULL!	#NULL!	#NULL!
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	3	4.00	8	1.00
#NULL!	0.93	109.00	2,900.00	3.40	#NULL!	4	#NULL!	#NULL!	2.00
#NULL!	0.93	85.00	140.00	3.30	#NULL!	8	#NULL!	#NULL!	2.00
#NULL!	3.02	20.00	2,100.00	2.60	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.69	40.00	410.00	#NULL!	#NULL!	7	#NULL!	#NULL!	2.00
#NULL!	1.09	65.00	533.00	3.70	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.54	39.00	594.00	4.20	#NULL!	6	#NULL!	#NULL!	2.00
#NULL!	9.15	4.00	#NULL!	3.70	1.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.24	47.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	6.86	8.00	1,800.00	3.20	#NULL!	6	#NULL!	#NULL!	2.00
#NULL!	1.80	43.00	164.00	0.00	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	8	3.00	4	#NULL!
#NULL!	1.01	#NULL!	1,900.00	4.30	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00

#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.17	#NULL!	1,200.00	3.50	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	8	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	10	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	1.23	#NULL!	800.00	3.30	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	9	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	0.86	#NULL!	106.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	1.37	#NULL!	#NULL!	#NULL!	#NULL!	10	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	16	#NULL!	#NULL!	1.00
#NULL!	9.79	#NULL!	1,200.00	4.10	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	10	#NULL!	#NULL!	1.00
#NULL!	1.12	#NULL!	120.00	3.90	#NULL!	12	#NULL!	#NULL!	2.00
#NULL!	9.73	#NULL!	#NULL!	#NULL!	1.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	2.63	#NULL!	4,400.00	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	10	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	10	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	3.20	#NULL!	1,200.00	4.30	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	2.38	#NULL!	1,400.00	4.30	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.19	#NULL!	1,200.00	4.10	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.30	#NULL!	5,300.00	#NULL!	2.00	10	#NULL!	#NULL!	2.00
#NULL!	0.90	#NULL!	53.00	4.60	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.34	#NULL!	61.00	#NULL!	2.00	10	#NULL!	#NULL!	2.00

#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	2.38	#NULL!	243.00	4.30	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	0.87	#NULL!	78.00	#NULL!	2.00	10	#NULL!	#NULL!	2.00
#NULL!	0.76	#NULL!	18.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.96	#NULL!	#NULL!	#NULL!	2.00	3	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	10	#NULL!	#NULL!	2.00
#NULL!	1.16	#NULL!	95.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	1.23	#NULL!	108.00	4.10	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	0.60	#NULL!	75.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	1.12	#NULL!	0.00	4.40	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	1.39	#NULL!	200.00	#NULL!	2.00	#NULL!	#NULL!	#NULL!	2.00
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#NULL!	1.84	#NULL!	#NULL!	#NULL!	#NULL!	6	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	13	#NULL!	#NULL!	2.00
#NULL!	2.87	#NULL!	266.00	4.50	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	0.71	#NULL!	#NULL!	#NULL!	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	0.90	#NULL!	853.00	3.90	2.00	7	#NULL!	#NULL!	2.00
#NULL!	0.75	#NULL!	876.00	3.90	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	0.50	#NULL!	374.00	4.20	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	2.74	#NULL!	1,300.00	3.90	2.00	#NULL!	#NULL!	#NULL!	2.00
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#NULL!	0.90	#NULL!	60.00	3.30	2.00	#NULL!	#NULL!	#NULL!	1.00
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#NULL!	8.20	#NULL!	4,300.00	2.70	1.00	#NULL!	#NULL!	#NULL!	2.00
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#NULL!	0.54	#NULL!	31.00	4.40	2.00	#NULL!	#NULL!	#NULL!	2.00
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#NULL!	0.92	#NULL!	52.00	4.20	2.00	6	#NULL!	#NULL!	2.00
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#NULL!	1.50	#NULL!	#NULL!	2.70	2.00	1	1.00	4	2.00
#NULL!	6.60	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
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#NULL!	8.68	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
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#NULL!	5.00	#NULL!	1,800.00	4.10	2.00	#NULL!	#NULL!	#NULL!	2.00
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#NULL!	2.50	#NULL!	#NULL!	#NULL!	2.00	#NULL!	#NULL!	#NULL!	2.00
#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	#NULL!	1.00
#NULL!	6.50	#NULL!	#NULL!	2.70	2.00	#NULL!	#NULL!	#NULL!	2.00
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#NULL!	3.30	#NULL!	4,800.00	2.40	#NULL!	#NULL!		#NULL!	#NULL!		1.00
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#NULL!	3.40	#NULL!	2,600.00	3.10	2.00		15	#NULL!	#NULL!		1.00
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#NULL!	2.90	#NULL!	5,500.00	3.50	2.00	#NULL!		#NULL!	#NULL!		2.00

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#NULL!	0.80	#NULL!	101.00	3.90	2.00	#NULL!	#NULL!	#NULL!	2.00
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#NULL!	2.70	#NULL!	7,700.00	#NULL!	2.00	6	#NULL!	#NULL!	2.00
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#NULL!	1.00	#NULL!	83.00	4.30	2.00	#NULL!	#NULL!	#NULL!	2.00
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#NULL!	0.94	#NULL!	#NULL!	#NULL!	2.00	6	#NULL!	#NULL!	2.00

OFFHDLATE	LATERPROGRESSED	VAR00022
#NULL!	#NULL!	#NULL!
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#NULL!	#NULL!	#NULL!

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PROFORMA

Case no- Age/Gender

Presenting Complaints HT: WT: BMI: BP:

Edema		Frothy urine	
oliguria		Photosensitivity	
Anuria		Arthralgia	
Hematuria Gross		Hemoptysis	
Dysuria			
Fever		Addiction/smoking	
Uremic symptoms		Co morbid illness	
Sorethroat		Family history of kidney disease	
Skin leison/rash		Diagnosis	
Diarrhea		Total month of F/U	

Biopsy findings Etiological diagnosis

crescents		Mesangial hypercellularity		Thrombosis Necrosis	
No of crescents		Endocapillary proliferation		Vascular	
Cellular		Interstitium		IF findings:	
Fibrocellular					
Fibrous				Other	

Any repeat Biopsy findings

crescents		Mesangial hypercellularity		Thrombosis Necrosis	
No of crescents		Endocapillary proliferation		Vascular	
Cellular		Interstitium		IF findings:	
Fibrocellular					
Fibrous				Other	

Lab Parameters at index visit and at follow up

Hemoglobin	
TC/DC	
Platelets	
Lipid profile	
BBVS	
Urine analysis	
WBC	
RBC	
CASTS	
Urine Protein	
Serum Urea	
Presenting S. Creatinine	
eGFR	

Albumin	
24 hours urine protein	
UP/UC	
C3	
C4	
ANA	
Ds DNA	
APLA	
ASO	
ADNB	
ANCA type/titers	
LA	
OTHER Antibodies	

Dialysis required	
Dialysis dependent	
Plasmapheresis	
Treatment with IMS	
Complications	
Transplantation	
Cause of Death	
3rd month creatinine	
3rd month albumin	
3rd month proteinuria	

One year creatinine	
One year albumin	
First year proteinuria	
Fifth year creatinine	
Fifth year albumin	
Fifth year proteinuria	
Last year creatinine	
Last visit albumin	
Last visit proteinuria	
Complications/time	